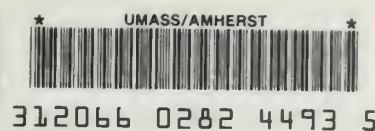


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Commonwealth of Massachusetts



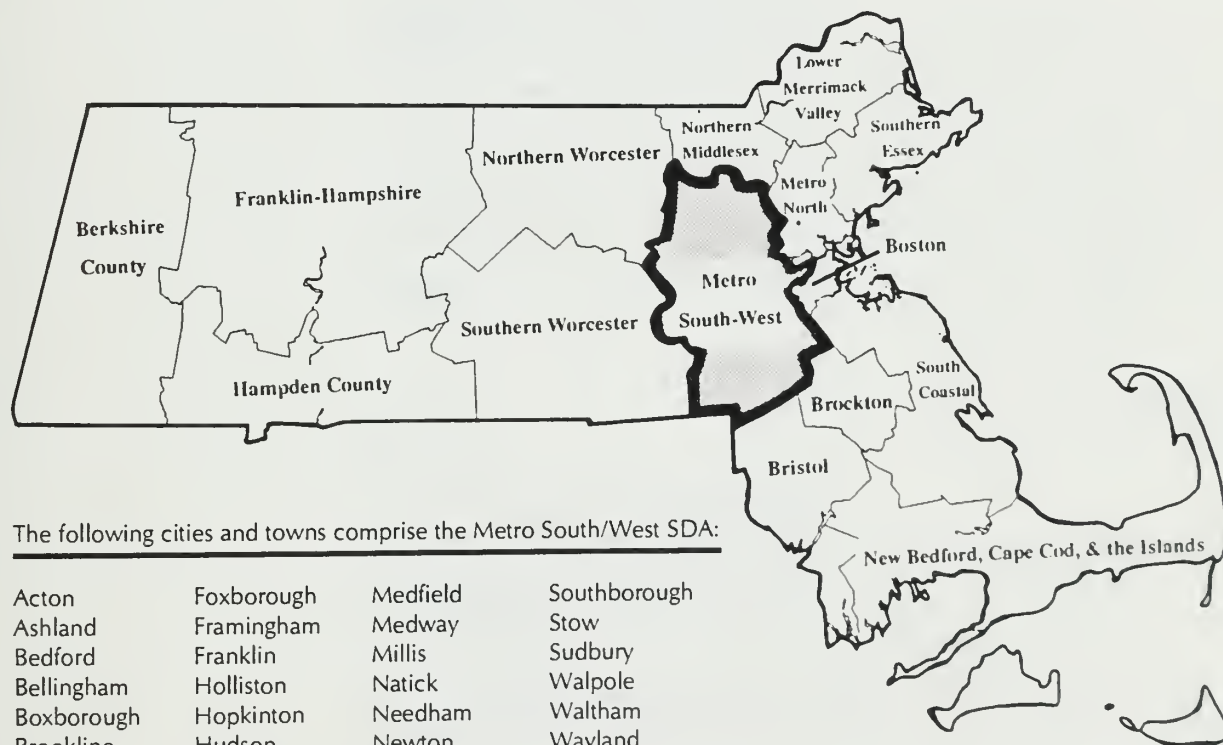
# Massachusetts Service Delivery Area Job Market Reports: **The Metro South/West SDA**

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# Massachusetts Service Delivery Area Job Market Reports: **The Metro South/West SDA**



The following cities and towns comprise the Metro South/West SDA:

Acton	Foxborough	Medfield	Southborough
Ashland	Framingham	Medway	Stow
Bedford	Franklin	Millis	Sudbury
Bellingham	Holliston	Natick	Walpole
Boxborough	Hopkinton	Needham	Waltham
Brookline	Hudson	Newton	Wayland
Canton	Lexington	Norfolk	Wellesley
Carlisle	Lincoln	Norwood	Weston
Concord	Littleton	Plainville	Westwood
Dedham	Marlborough	Sharon	Wrentham
Dover	Maynard	Sherborn	



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# Introduction: the SDA Job Market Reports

**T**his report analyzes the economies and job markets of the Commonwealth's 15 Service Delivery Areas between 1984 and 1990. It examines the kind of jobs that local areas generated or lost over the period, the industries that make up the area, the average earnings of workers, the level of unemployment and education in the workforce, and the distribution of jobs by occupation.

This report provides an overview of the emerging economic forces changing the job market. Data on local area population, labor force, employment, unemployment, job growth, wages, and income are included as well as information on how to interpret and use the data.

This report also analyzes the occupational staffing patterns of local economies, publishing for the first time, a detailed occupational employment data base by SDA. Labor leaders, educators, human resource specialists, and Regional Employment Boards can use this data to:

*study the geographical movement of jobs and workers within the state to relate the location and number of workers by occupation to demand.*

*assess and analyze the occupational composition of jobs and skill requirements within areas.*

There are 15 Service Delivery Areas in Massachusetts, each profiled in a separate report. Each report, however, contains an overview of the economic growth in all service delivery areas. Refer to the appendix for a listing of the cities and towns comprising a service delivery area.

Service Delivery Areas were established under the provisions of the 1983 federal Job Training Partnership Act, to tailor the Commonwealth's employment and training programs to the needs of citizens in local areas. Some service delivery areas consist of a single county; others are comprised of two or more counties. The Boston Service Delivery Area is the only single-city SDA, while others cross county lines.

*plan and design education and training programs*

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# How to Interpret the Job Market and Use the Reports

This report is divided into two sections. Section I summarizes the changes in population, employment and unemployment in all 15 Service Delivery Areas, highlighting the geographic concentration of jobs by industry and occupation. Section II profiles the respective service delivery area and presents a detailed series of tables on the area's occupations and industries.

Table A in Section II lists the number of jobs by occupation and provides the percent distribution of the jobs within the area, highlighting the diverse occupational structure of the SDA. Occupations are grouped by skill level to allow comparisons of similar or related occupations.

Table B in Section II lists the industries where jobs are found in major occupations. Finally, Table C presents the number and type of jobs found in major industries in the local economy. Industries are defined in terms of the Standard Industrial Classification (SIC) system. A detailed description of the SIC, including industry definitions is contained in

the *Standard Industrial Classification Manual, 1972* and the *1977 Supplement*.

## How to Use the Data

The following sections briefly outline how to interpret and use the data.

## Population

Population trends provide a measure of an area's economic stability. If an area has high unemployment and is losing its economic base, a decline in employment usually results in an eventual decrease in population and income. The opposite is generally true in areas with fast growing economies. The more jobs an area generates, the more people move into the area to seek employment. Population growth, however, can occur independently of employment in certain areas, particularly if the region is a retirement community.

Population changes from natural increases, the difference in the number of births and deaths, and migration, are identified in Table I.

The 1980 and 1988 population estimates are from the Bureau of the Census. Natural increases are derived from the Massachusetts Department of Public Health's estimates of births and deaths. Net migration estimates are derived by subtracting the total net change in population from the natural increase.

## Labor Force

The size and characteristics of the labor force determine the number and type of people competing for jobs. Changes in educational requirements, the size of the labor force, and the age structure affect employment opportunities.

Table I lists the total number of persons in the labor force, i.e., those that are either employed or unemployed. This count is residually-based and includes self-employed and unpaid family workers in addition to wage and salary workers.

## Growth vs. Number of Jobs

When assessing an area's economic viability, it is important to distinguish between an area's rate of job creation and the number of jobs generated. Even though an area has a fast rate of job growth it may generate fewer numbers of jobs than slow growing areas. For example, the Brockton Service Delivery Area had the second fastest job growth rate, but generated only 4.7 percent of the Commonwealth's jobs. Many of these jobs were low paying and decreased the area's percentage share of total state wages. By comparison, the city of Boston was the slowest growing area, with job growth averaging 0.7 percent per year. Nevertheless, because of its size it generated 7.6 percent of the state's jobs.

The industry employment data shown in Table 2 is compiled through the Department of Employment and

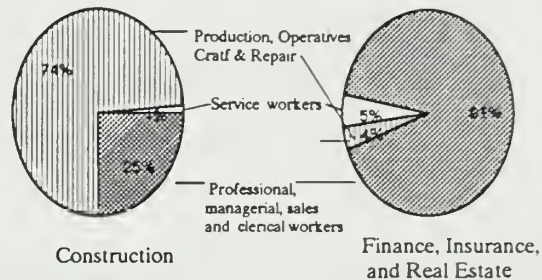
Training's Employment and Wage program. Employment in this context is the count of all persons on the payroll of establishments subject to the Massachusetts Employment Security Law. Employment data were not adjusted to account for such factors as noneconomic coding changes, Standard Industrial Classification code changes, or changes in the multi-location employer reporting. However, since the data are confined to SDAs and large industries and sectors, comparisons of broad economic trends can be made.

### Distribution of Jobs by Industry and Occupation

The number of jobs in an SDA depends in large part on the demand for goods and services produced by the area's industries. The growth or decline of an industry, however, has varying effects on individual occupations because industries employ different types of workers. Growth of manufacturing industries, for example, would tend to increase the employment of engineers, technicians and machine operators. In contrast, growth in the finance, insurance, and real estate industries would likely increase the employment of economists, financial analysts and sales and clerical workers.

The distribution of jobs by occupation in Tables 3, A, B and C is based on 1987 data collected by the Occupational Employment Statistics (OES) program, a Federal-State cooperative program. The OES data show how different industries, and different firms in the same industry employ workers in various skills. Over time the data can provide insights into how jobs are affected by technical advances, foreign competition, and shifts in the demand for goods and services.

Chart 1: Industries Differ Substantially in the Kind of Workers They Employ  
Percent Distribution of Wage & Salary Workers, 1987



Occupational staffing patterns are based on 1987 data. Over the short-term, occupational staffing patterns are not significantly affected by changes in the job market. Over the long-term, however, staffing patterns are affected by changes in technology and the number of new workers.

Occupational staffing pattern data were obtained for all industries, except for workers employed in agriculture, private households and the federal government. The industries covered in these tables thus account for 97 percent of all wage and salary workers.

### Average Annual Wages

Average wage data give a comparative measure of how well jobs pay in specific areas and industries. The data, compiled through the Employment and Wage program, approximates an average annual wage by area and industry. It is computed by dividing total wages by the total number of workers employed.

Annual pay data only approximate annual earnings because an individual may not be employed by the same employer all year, or may work for more than one employer. Annual pay is also affected by the ratio of full-time to part-time workers as well as the number of individuals in

high paying and low paying occupations. Industries characterized by high numbers of part-time workers, such as retail trade, show wage levels appreciably below other industries. The opposite effect characterizes industries with low percentages of part-time workers, or industries which typically have heavy overtime work. Average annual wage data may also be influenced by work stoppages, bonus and retroactive pay, and seasonal factors.

Average wages are computed by place of work. Therefore, the earnings of commuters who reside in one area and work in another, are counted in the area of employment.

### Per Capita Income

Per capita income data give a comparative measure of the income of people living in the area versus wage data which reflect earnings of workers who are employed in the area but do not live there. It is computed by dividing total personal income, the sum of earned income from all sources, by the population. Total personal income includes wages and salaries, interest, dividends, and rents, social security etc. Data on per capita income is provided for counties only. It is included to give a more comprehensive picture of an area's economic well-being.



# Overview:

## Job Trends in the SDAs

The Massachusetts economy performed well between 1984 and 1988. Job growth averaged 2.4 percent per year and average annual wages rose 31.1 percent to \$24,150. (In terms of 1982-84 constant dollars wages rose 15.2 percent.) Unemployment stood at 3.3 percent, a level so low that some economists believed Massachusetts had reached full employment. In 1989 Massachusetts employment growth leveled off. Unemployment inched up to 4.0 percent, but it still ranked Massachu-

setts with one of the lowest jobless rates of the 11 large states. In 1990, however, the industries that generated the bulk of the jobs--construction, services, retail trade, finance, insurance and real estate--declined. Unemployment was up 50 percent from 1989, averaging 189,000 workers or 6.0 percent. Massachusetts' unemployment rate is now higher than the nation's, averaging 9.2 percent (287,000 unemployed workers) during first quarter 1991.

Much of the employment in Massachusetts is concentrated in relatively few metropolitan areas. During the eighties, however, the state's job growth was diversified, as the city of Boston recorded the slowest growth rate of the 15 SDA's. But what areas generated the most jobs between 1984 and 1989? What areas had fast growing economies, low levels of unemployment, and high wages? What areas lost the most manufacturing jobs during the period? Which recorded the highest rates of unemployment in 1990? The following tables show the trends that highlight the answers to these questions.

### Population Growth

Table I identifies the SDAs that increased or decreased in population over the decade. It highlights the factors underlying population changes--the natural increase, or the net difference between the number of births and deaths that occurred

**Table 1: Changes in Population, Employment, and Unemployment by Service Delivery Area**  
(Data based on residential counts)

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
1980 Population <sup>(1)</sup>	145,110	216,696	443,018	208,324	454,116	226,991	260,893	372,795
1988 Population <sup>(1)</sup>	138,720	224,420	449,950	225,650	471,300	244,320	279,100	375,180
Natural Increase <sup>(2)</sup>	2,014	6,631	17,123	13,861	18,521	16,186	14,825	11,202
Net Migration <sup>(3)</sup>	(8,404)	1,093	(10,191)	3,465	(1,337)	1,143	3,382	(8,817)
Total Net Change	(6,690)	7,724	6,932	17,326	17,183	17,329	18,207	2,385
1988								
Civilian Workforce	72,490	119,780	216,530	108,550	245,820	142,600	137,570	216,270
Employed	69,330	116,120	209,170	104,800	237,880	137,780	132,040	208,960
Unemployed	3,170	3,670	7,370	3,750	7,940	4,820	5,540	7,310
Unemployment Rate	4.4	3.1	3.4	3.5	3.2	3.4	4.0	3.4
1989								
Civilian Workforce	73,250	121,250	217,710	108,280	247,670	143,600	138,880	220,170
Employed	70,040	116,730	208,650	103,270	237,390	137,170	131,620	211,910
Unemployed	3,210	4,520	9,070	5,020	10,280	6,430	7,260	8,260
Unemployment Rate	4.4	3.7	4.2	4.6	4.2	4.5	5.2	3.8
1990								
Civilian Workforce	74,040	123,530	218,520	107,020	245,550	139,780	136,640	220,380
Employed	69,450	116,940	205,410	99,090	229,430	130,300	126,380	208,360
Unemployed	4,590	6,590	13,120	7,940	16,120	9,480	10,250	12,020
Unemployment Rate	6.2	5.3	6.0	7.4	6.6	6.8	7.5	5.5

(1) Estimates from the Bureau of the Census

(2) Derived from Mass. Dept. of Public Health's estimates of births & deaths

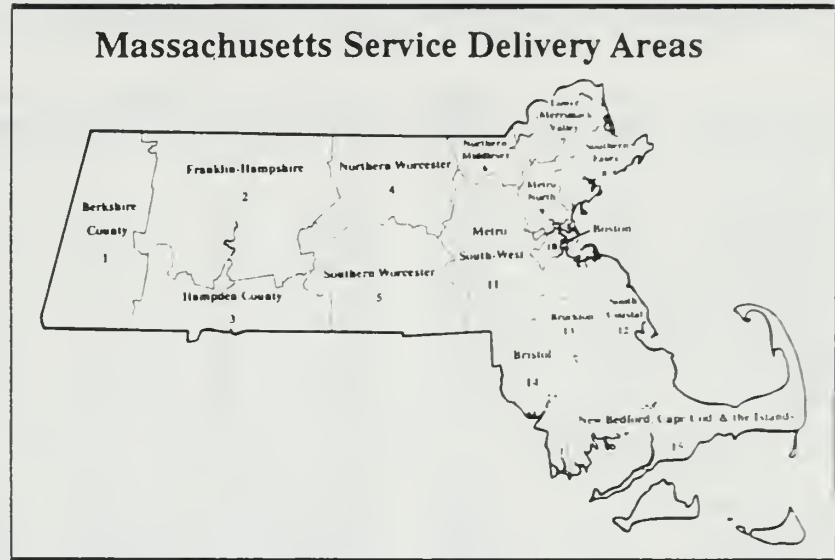
(3) Derived by subtracting total net change from natural increase

between 1980 and 1988; and the net migration, the number of residents that moved in or out of the area.

### Statewide Population Growth

Most of the population growth in Massachusetts from 1980 to 1988 has been entirely driven by natural increases as opposed to increases in the number of people moving into the state. From 1970 to 1980 Massachusetts' population expanded less than one percent; from 1980 to 1989, it grew 3 percent, slightly faster than the last 10 years. This growth, however, is still well below the 8.7 percent national average. Several factors explain Massachusetts' slow population growth.

While births have declined throughout the nation, the decline is more pronounced in Massachusetts. From 1960 to 1985, live births in Massachusetts declined 27 percent while nationally, live births declined 12 percent.



Migration out of Massachusetts has been substantial. From 1970 to 1980, 263,000 people left the state. Although the economy improved in the 1980s, Massachusetts still had a net out-migration of 66,800 people between 1980 and 1988.

### Population Growth by SDA

Population changes among the SDAs varied. Population increased in 13 SDAs and declined in two. All SDAs had natural population increases, but only 5 SDAs—New Bedford, Cape Cod and the Islands, Northern Worcester,

Metro North	City of Boston	Metro South/West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
725,993	562,994	797,325	453,042	212,705	304,053	353,041	5,737,096
705,680	577,830	808,700	467,410	216,640	311,600	393,200	5,889,700
15,891	26,362	28,788	15,854	13,766	13,217	5,213	219,454
(36,204)	(11,526)	(17,413)	(1,486)	(9,831)	(5,670)	34,946	(66,794)
(20,313)	14,836	11,375	14,368	3,935	7,547	40,159	152,603
396,940	302,660	464,570	248,250	115,820	159,210	207,470	3,155,000
385,960	292,340	454,110	240,640	111,570	152,370	198,270	3,052,000
10,980	10,330	10,470	7,610	4,250	6,830	9,200	103,000
2.8	3.4	2.3	3.1	3.7	4.3	4.4	3.3
399,080	304,160	466,910	250,080	117,250	162,310	209,190	3,180,000
385,830	292,240	454,010	240,570	111,810	153,590	198,130	3,053,000
13,250	11,920	12,900	9,500	5,440	8,720	11,070	127,000
3.3	3.9	2.8	3.8	4.6	5.4	5.3	4.0
397,070	302,530	462,940	250,000	116,820	162,050	209,250	3,166,000
377,300	285,790	443,990	235,230	108,550	148,350	192,340	2,977,000
19,780	16,740	18,960	14,780	8,270	13,700	16,900	189,000
5.0	5.5	4.1	5.9	7.1	8.5	8.1	6.0

**Table 2: Job Growth in Service Delivery Areas by Sector, 1984-1989** *(Data based on Number of Jobs in Area)*

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
<b>Avg Annual Percent Change</b>								
Total, all Industries .....	1.7	2.8	1.9	1.7	3.0	1.8	1.8	1.4
Construction .....	13.0	10.8	8.5	7.8	7.1	5.1	5.3	5.7
Manufacturing .....	-3.1	-2.3	-2.8	-3.3	-1.0	-2.6	-2.1	-3.6
Communications/Utilities .....	3.9	2.6	4.2	2.7	3.8	8.2	2.2	4.7
Wholesale Trade .....	-4.3	8.8	1.7	9.6	5.5	8.8	2.7	3.8
Retail Trade .....	2.7	4.5	3.0	3.3	3.6	2.1	2.7	1.1
Banks, Ins. & Real Estate .....	0.3	8.7	3.2	5.1	6.0	5.6	3.5	5.2
Services .....	4.5	4.5	4.0	5.6	5.3	6.9	5.6	4.8
Government .....	1.8	1.0	2.2	2.2	2.2	2.0	3.5	2.2
<b>Net Change, 1984-1989</b>								
Total, all Industries .....	5,000	10,380	18,070	6,510	30,680	8,420	9,980	11,100
Construction .....	1,770	1,420	2,530	1,030	2,430	840	940	1,520
Manufacturing .....	(2,480)	(1,670)	(6,550)	(4,130)	(2,650)	(4,850)	(4,750)	(6,700)
Communications/Utilities .....	320	300	1,640	330	1,630	1,280	420	1,010
Wholesale Trade .....	(450)	850	740	1,190	3,330	1,450	710	1,370
Retail Trade .....	1,690	3,300	5,710	2,190	6,880	1,770	2,330	2,170
Banks, Ins. & Real Estate .....	20	990	2,060	560	3,470	770	790	1,620
Services .....	3,550	4,150	8,590	3,810	12,560	5,750	6,750	8,150
Government .....	530	820	3,100	1,300	2,520	1,120	2,470	2,050
<b>Percent Change, 1984-1989</b>								
Total, all Industries .....	8.6	14.6	9.7	9.0	16.0	9.0	8.8	7.5
Construction .....	81.6	62.7	46.9	37.0	34.8	24.4	25.9	30.2
Manufacturing .....	-14.7	-11.0	-13.3	-15.4	-5.0	-12.4	-10.6	-17.0
Communications/Utilities .....	20.4	13.8	22.6	13.2	20.2	40.5	10.0	25.5
Wholesale Trade .....	-22.4	51.0	7.7	56.7	30.2	50.8	14.1	20.7
Retail Trade .....	13.8	24.3	16.1	17.6	19.4	10.9	14.1	5.7
Banks, Ins. & Real Estate .....	1.0	47.8	16.9	27.3	32.7	28.0	18.5	28.7
Services .....	24.2	24.3	21.6	30.8	29.3	39.1	31.1	26.3
Government .....	9.4	5.0	11.7	11.6	11.2	10.5	18.6	11.6

Lower Merrimack Valley, Northern Middlesex, and Franklin-Hampshire--had net in-migration.

Table 1 shows that New Bedford, Cape Cod and the Islands gained the most population over the decade, while Metro North and Berkshire County lost population. There are a number of reasons for population changes. One is that people move out of areas with weak job markets to where the jobs are. In Berkshire County and Metro North, job growth underperformed that of the state. But in New Bedford, Cape Cod and the Islands population growth primarily resulted from 34,946 people moving into the area. The area's economic boom, quality of life, and lower cost of living attracted them

to seek employment or retire. The characteristics of this SDA therefore make economic analysis of the employment growth to population growth relationship more difficult.

### **A Note on Population Counts**

At the time of this writing, 1990 Census data were not available. Some preliminary figures have since become available, showing a faster rate of growth between 1980 and 1990. Differences in the statewide rate of growth from 1980-1988 and 1980-1990, appear to be less than two tenths of a percentage point on an annualized basis. On an SDA basis, differences in the rate of change between the two figures appear to be most significant for only Bristol, Franklin-Hampshire, Metro North,

and Southern Worcester. However, population counts for 1990 are preliminary and are subject to possible correction for undercounts or overcounts. The U.S. Department of Commerce is considering whether to correct these counts and will publish corrected ones if any, no later than July 15, 1991.

### **Labor Force and Employment**

Table 1 also identifies the areas with the largest labor force and the most employment in 1988, 1989, and 1990. Some significant differences exist in the concept of employment. Because interurban commuting outside of many service delivery areas is common, residential and business growth often diverge. The data in table 1 are



Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
1.3	0.7	2.0	3.3	3.0	2.1	2.3	1.8
5.7	3.1	5.2	8.1	6.6	11.8	6.4	6.1
-3.6	-7.0	-2.1	-5.4	-3.6	-3.1	-4.8	-3.6
4.7	-2.3	1.5	5.8	3.0	2.4	2.0	1.0
3.9	-4.7	6.4	4.8	10.2	8.5	7.0	3.9
1.1	-1.5	1.8	2.2	4.8	5.0	3.0	2.1
5.2	1.4	4.4	10.9	6.0	4.6	4.4	4.1
4.8	3.0	5.0	6.7	5.1	4.7	5.7	4.4
1.0	2.7	1.0	1.0	0.8	3.8	2.5	2.0
22,560	19,680	46,060	27,780	12,180	13,230	17,200	258,190
3,110	1,670	3,980	3,630	1,150	2,280	1,990	30,430
(26,530)	(14,220)	(14,230)	(6,860)	(2,610)	(7,060)	(6,450)	(112,440)
(1,120)	(4,140)	1,030	1,760	670	420	660	5,680
8,920	(5,630)	10,770	2,120	2,390	2,600	1,540	31,580
4,980	(4,610)	7,030	4,950	4,660	6,270	5,970	55,930
6,950	5,110	4,680	7,960	960	1,110	1,310	38,730
24,380	29,040	29,960	12,490	4,190	4,880	9,310	167,370
1,540	12,370	2,460	900	490	2,580	2,410	36,540
6.5	3.7	10.2	17.7	16.1	11.1	12.1	9.2
23.8	15.6	25.7	43.7	35.2	67.0	31.6	31.6
-32.6)	30.4	-10.3)	-24.6)	-17.0	-14.8)	-21.8)	-16.7)
8.4	-11.1	7.1	31.5	14.8	12.2	10.0	4.8
40.9	-21.8	35.7	26.4	60.6	48.2	39.8	21.0
8.2	-7.3	9.1	11.5	26.5	27.1	15.8	11.1
57.7	6.9	23.8	65.8	33.7	25.0	23.2	22.1
21.3	15.6	27.7	38.2	28.3	26.0	32.0	23.7
5.3	14.2	5.2	4.9	3.8	20.2	12.9	10.4

residentially based, so heavily populated areas usually have the largest labor force and employment. The data in tables 2, 3, and 4 are employer based. These tables represent employment changes in business establishments within an area.

Massachusetts' civilian labor force grew by 10.9 percent or by 313,000 between 1980 and 1989. Women accounted for 80.2 percent of the increase. Hurt by slow population growth, Massachusetts' labor force growth lagged behind the 15.8 percent national average growth rate recorded for the same period. In 1990, however, the Massachusetts labor force declined marginally to 3,166,000, a loss of 14,000 workers from 1989.

Over half of Massachusetts' labor force resided in 5 SDAs and more than a third lived in just three of these SDAs—Metro South-West, Metro North, and the City of Boston.

Metro South-West, the area bounded by Route 128 and Interstate 495, has the largest and most educated labor force in the state. In 1990 it accounted for approximately 15 percent of the state's labor force and employment. Metro North and the City of Boston, the second and third largest SDAs in terms of population and employment, accounted for 12.6 and 9.6 percent of Massachusetts employment, respectively.

South Coastal and Southern Worcester, the fourth and fifth largest SDAs,

each accounted for about 8 percent of Massachusetts' employment. Berkshire County, the state's smallest SDA in terms of population, labor force, and employment had only 2.3 percent of the state's employment.

## Unemployment

Table I also shows the distribution of unemployment and the jobless rates among the 15 SDAs. Bristol, New Bedford, Cape Cod and the Islands, and Lower Merrimack Valley, areas with nondiversified economies, had among the highest rates of unemployment in the state in 1988, 1989, and 1990. In 1990, Bristol's and New Bedford, Cape Cod and the Island's jobless rate topped 8.0 percent. Despite problems in its high technology industries, Metro South-

**Table 3: Distribution of Jobs in Service Delivery Areas by Industry & Occupation**

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
<b>Industrial Distribution</b>								
Total Jobs .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Construction .....	5.9	4.5	3.9	4.8	4.2	4.2	3.7	4.1
Manufacturing .....	22.9	16.6	20.8	29.0	22.8	33.8	32.4	20.4
Communications/Utilities .....	3.0	3.0	4.4	3.5	4.4	4.4	3.7	3.1
Wholesale Trade .....	2.5	3.1	5.0	4.2	6.5	4.2	4.7	5.0
Retail Trade .....	22.2	20.7	20.2	18.5	19.0	17.7	15.3	25.2
Banks, Ins. & Real Estate .....	4.0	3.8	7.0	3.3	6.3	3.4	4.1	4.5
Services .....	28.9	26.0	23.6	20.4	24.9	20.1	23.0	24.5
Government .....	9.9	21.2	14.5	15.9	11.3	11.5	12.7	12.3
<b>Occupational Distribution</b>								
Total, all Occupations .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial & Executive .....	8.8	8.7	7.7	8.6	8.6	9.0	8.0	8.6
Prof. & Technical .....	19.9	21.8	16.7	14.8	18.9	23.3	20.7	16.6
Marketing & Sales .....	12.0	10.6	13.7	11.5	12.6	13.1	9.8	14.0
Clerical & Administrative .....	14.8	15.2	17.3	15.3	18.0	16.8	16.6	16.6
Service .....	16.9	17.9	15.6	13.3	15.0	12.4	13.9	17.5
Prod, Const Wkrs/Operators .....	27.7	25.8	29.0	36.5	26.9	25.4	30.9	26.8

West continues to have the lowest unemployment rate in Massachusetts, helped along by a low population growth rate, about half that of the state.

## Job Growth

Table 2 details the economic growth within each SDA over the 1984-1989 period. It identifies the average yearly change in industry employment levels among the SDAs, the number of jobs generated or lost by each industry over the 5 year period, and the percent change in industry employment levels between 1984 and 1989.

It is important to note that annual 1990 SDA job data are not available at the time of this writing. However, statewide job losses for 1990 totalled 125,700, the highest ever recorded. This downward trend is expected to continue well into 1991.

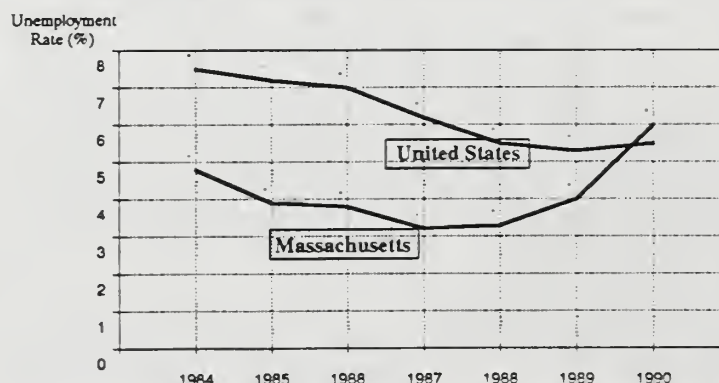
Metro South-West generated over 46,000 jobs, the most of any SDA between 1984 and 1989. South-

ern Worcester generated 30,680 jobs, the second largest number. This is significant because Southern Worcester is only one-half the size of Metro South-West, in terms of total number of jobs. South Coastal, benefiting from the expansion of office employment and its proximity to Boston, generated 22,560 jobs, the third largest number of jobs and the fastest rate of growth at 17.7 percent. In total, these three SDAs accounted for over 38 percent of the

Commonwealth's jobs between 1984 and 1989. Boston, the state's capital and largest SDA, generated 19,675 jobs, less than half the number Metro South-West created. Job growth averaged 0.7 percent per year in Boston, the lowest of Massachusetts' SDAs.

Service industries generated the bulk of the SDAs' jobs over the period. Only in Brockton and Bristol, areas

**Chart 2: Unemployment rates decreased between 1984 and 1987 in Massachusetts, while they continued to fall in the US until 1989.**





Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4.4	2.2	3.9	6.4	5.0	4.3	5.2	4.2
14.9	5.9	24.7	11.3	14.4	30.6	14.6	18.3
3.3	6.0	3.1	4.0	5.9	2.9	4.6	4.1
8.3	3.7	8.2	5.5	7.2	6.0	3.4	6.0
17.8	10.7	16.8	26.0	25.3	22.1	27.6	18.4
5.1	14.4	4.9	10.8	4.3	4.2	4.4	7.0
37.5	39.0	27.7	24.4	21.6	17.8	24.2	28.6
8.2	18.0	9.9	10.3	15.4	11.5	13.3	12.8
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.4	9.6	9.2	9.0	7.9	7.5	8.8	8.4
21.4	25.9	23.0	16.3	16.1	14.4	15.3	22.2
12.6	9.6	12.7	15.4	13.6	12.6	13.6	11.7
19.9	24.3	18.1	20.0	18.9	15.9	15.7	18.7
14.3	16.9	14.2	16.1	15.4	14.6	19.5	16.0
22.4	13.7	22.8	23.2	28.2	35.5	27.1	23.0

with high concentrations of retail trade industries, did the retail trade sector generate more jobs than service industries.

The mix of service industries within each SDA varies. Boston, Metro South-West, and Metro North have the highest concentrations of high technology service industries in the Commonwealth. In these 3 SDAs, annual service industry wages approximated \$27,000, significantly higher than other SDA's (see table 4). For example, Bristol, Northern Worcester, and Franklin-Hampshire, with smaller concentrations of business service industries, have average annual service industry wages that are only 66 percent of Boston, Metro South-West and Metro North.

The plight of the state's manufacturing sector is also very visible in table 2. Manufacturing employment declined in every SDA over the 1984-1989 period. However, the biggest losses of manufacturing jobs have been in Metro North which lost 26,530 jobs; Metro South-West which

lost 14,230 jobs; and the City of Boston which lost 14,220 jobs.

### Job Distribution by Industry and Occupation

Table 3 shows the distribution of jobs by industry sector and occupational group in the state's 15 SDAs. These tables highlight the geographic differences in the structure of each local area's economy and job market. In the city of Boston, for example, fewer than 6 percent of the jobs are in manufacturing industries. In contrast, almost a quarter of the jobs in Metro South-West and over a third of the jobs in Northern Middlesex are in manufacturing.

The mix of industries and the structure of an area's economy directly influences the number and types of jobs found within the SDA. The distribution of jobs in major occupational categories in table 3 illustrates this point. In Berkshire County, for example, approximately 23 percent of the workforce is employed in manufacturing industries, compared to 18

percent statewide. Because an above average number of manufacturing jobs are concentrated in Berkshire County, a greater percentage of the workforce has jobs in production, construction and operating occupations than statewide (28% vs 23%). Similarly, because Berkshire County is not a major banking and insurance center, approximately 15 percent of the SDA's workers have office jobs in clerical occupations, compared to 19 percent statewide.

The distribution of jobs by occupation is based on 1987 data, collected from the Occupational Employment Statistics Survey. Changes in industry structure since 1987 do not significantly affect an area's occupational staffing patterns. Over the long term, however, occupational staffing patterns do change with the advances of technology and supply of new workers.

When reviewing the data in table 3 and tables A, B and C of this report it is important to remember that labor markets for a particular occu-

**Table 4: 1989 Average Annual Wages by SDA and Industry**

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
Total, all Industries .....	\$21,736	\$20,253	\$21,683	\$21,486	\$23,002	\$26,241	\$24,017	\$22,964
Construction .....	25,773	24,628	28,663	25,645	27,444	27,341	28,270	27,525
Manufacturing .....	31,263	25,813	27,554	27,630	30,368	35,339	29,746	33,533
Communications/Utilities .....	22,544	25,654	26,317	21,110	28,219	22,459	29,672	25,602
Wholesale Trade .....	27,853	23,947	26,759	26,563	27,727	31,911	32,433	31,899
Retail Trade .....	12,158	11,282	12,045	12,015	12,432	13,433	12,554	12,916
Banks, Ins. & Real Estate .....	25,548	20,241	26,010	21,010	25,847	25,222	22,964	25,008
Services .....	19,090	18,778	19,635	18,139	19,872	21,959	20,740	19,862

pation may cover areas wider than those defined by the SDAs. Many professional occupations, for example, have national labor markets.

### Average Annual Wages

Table 4 lists the average annual wage in each SDA by industry sector. The average industry wage gives a comparative measure of the industry's pay scale. Compiled through the Employment and Wages program, the data approximates an average annual wage for all workers in the

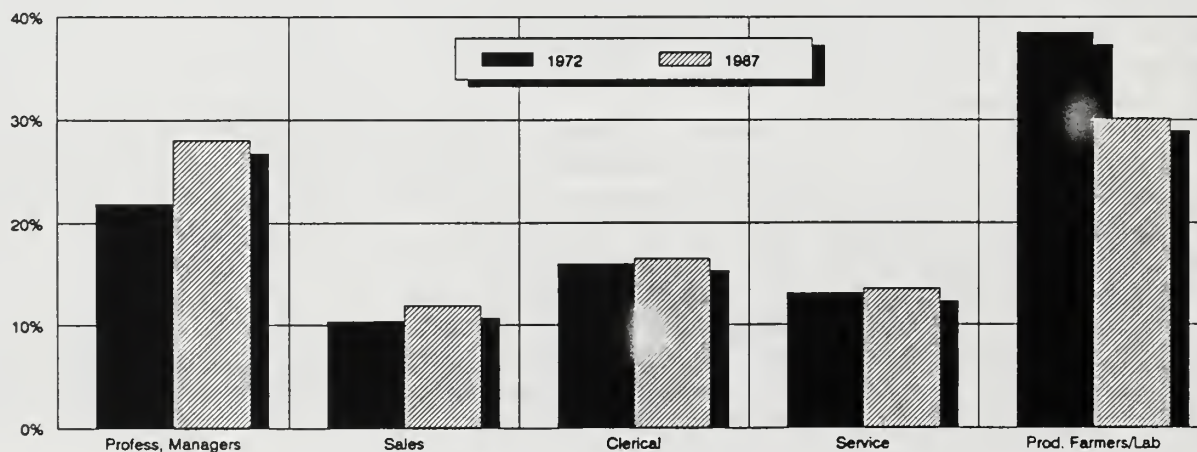
industry. It is computed by dividing the total industry wages by the total number of workers, regardless of part-time or seasonal status.

Given the concentration of banks, law firms, insurance and real estate companies, and high tech industries in Boston, wages here are the highest in the state (\$29,810), followed by Metro South-West (\$28,685), and Metro North (\$26,644). The high concentration of seasonal jobs in New Bedford, Cape Cod and the

Islands contributed to this SDA's reporting the lowest wages in the state (\$19,210).

Wages vary within sectors, depending upon the mix of industries located within the SDA. Given the concentration of computer firms in Metro South-West and Northern Middlesex, for example, the manufacturing wages reported in each of these areas are the highest in the state. In contrast, given the concentration of the low paying apparel

**Chart 3: The percentage share of employment in the US is rising the fastest in occupational groups requiring the most education and decreasing in occupations requiring less education**



Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
\$26,644	\$29,810	\$28,527	\$22,685	\$22,568	\$20,306	\$19,210	\$25,220
31,948	35,439	31,775	30,861	29,601	25,010	24,454	29,554
31,688	31,345	36,854	27,016	24,625	23,443	22,333	30,926
30,025	36,196	29,273	31,008	27,067	27,156	25,486	29,889
34,402	34,227	38,408	30,622	29,729	26,733	23,015	32,779
14,747	15,128	15,683	14,238	14,687	12,151	12,743	13,775
26,747	41,550	27,903	26,185	23,572	19,493	22,079	31,525
27,332	27,678	26,609	20,528	20,162	17,916	18,465	24,010

and needle trade industries in Bristol and New Bedford, manufacturing wages here are the lowest in the state.

The same can be said of service industry wages. The city of Boston and Metro North have the highest paying service industries in the state. The average worker employed in Boston's service industries earned \$27,678 in 1989, the highest in the state. Similarly, due to the concentration of high paying engineering, management and research firms in the service industries in Metro North, the area is the only SDA where the average service wage is higher than the average for all wages (\$27,332 vs. \$26,644).

### Education's Importance

With the economy currently restructuring, occupational growth will certainly be affected, since each industry requires a different mix of occupations to produce its goods and services. An analysis of the kinds of jobs generated in the United States between 1972 and 1987 shows that, in general, employment increased the fastest in occupational groups requiring the most education and decreased in occupations requiring less education. In 1972 managerial, executive and administrative occupations were 8.9 percent of all jobs. By 1987, their share increased 2.9 percentage points to 11.8

percent. In contrast, the share of low skilled occupations such as operators, fabricators, and laborers decreased 6 percentage points. In 1972 they were 21.2 percent of all jobs--the largest occupational share--but by 1987 they were only 15.2 percent of all jobs. These trends are expected to continue in the 1990s.

### Education and Jobs in Massachusetts

Despite Massachusetts' recent downturn in employment, the educational requirements in the emerging job market will continue to be more heavily geared toward those jobs requiring either college or post secondary training.



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# The Metro South/West Service Delivery Area

## Economic Overview

During the seventies and early eighties, Metro South/West became the nation's prototype of the economy of the future with its concentration of high tech manufacturing industries and business services. Fueled by the dynamic growth of the computer hardware and software industries and the upsurge in defense spending, Metro South/West's economy boomed, generating one of the highest per capita incomes and lowest unemployment rates in the nation.

Beginning in 1985, however, Metro South/West's share of the computer market started to erode, while the real value of prime defense contracts fell. Rapidly increasing demand for smaller micro computers, offering similar performance capabilities as the large mainframes and minicomputers produced in the area, left the big computer firms unprepared to meet it. Seemingly overnight, this changing technology led to foreign competition, standardized products, and intense price competition. As a short-term solution to remain profitable in this new market, some computer manufacturers merged, consolidated and laid off workers. Other companies failed and declared bankruptcy.

New technologies are the most important factor in boosting the demand for Metro South/West's high tech products and services and creating jobs in local industries. The extent of Metro South/West's recovery will depend on how quickly the area's high tech companies can produce new products and how much demand there is for these products and services in the coming decade.

High tech companies employ more managerial, professional and technical workers than other establishments. Due to the number of high tech industries located in the Metro South/West SDA, the number in professional and technical occupations exceeds the number in production, construction and machining occupations. This is significant because statewide, the number of production and construction workers, repairers, assemblers and machine operators exceeds the number of professional and technical workers.

## Economic Base

Metro South/West's economy is based on a diverse set of high technology products and services. It is one of the

nations' leading producers of highly powerful super and minicomputers, workstations, precision measuring and controlling instruments, guided missiles, photographic equipment and supplies, semiconductors, and software. In total, high tech companies alone account for 23 percent of the area's jobs--more than twice the number statewide.

Service industries employ the largest number of workers (138,230), but

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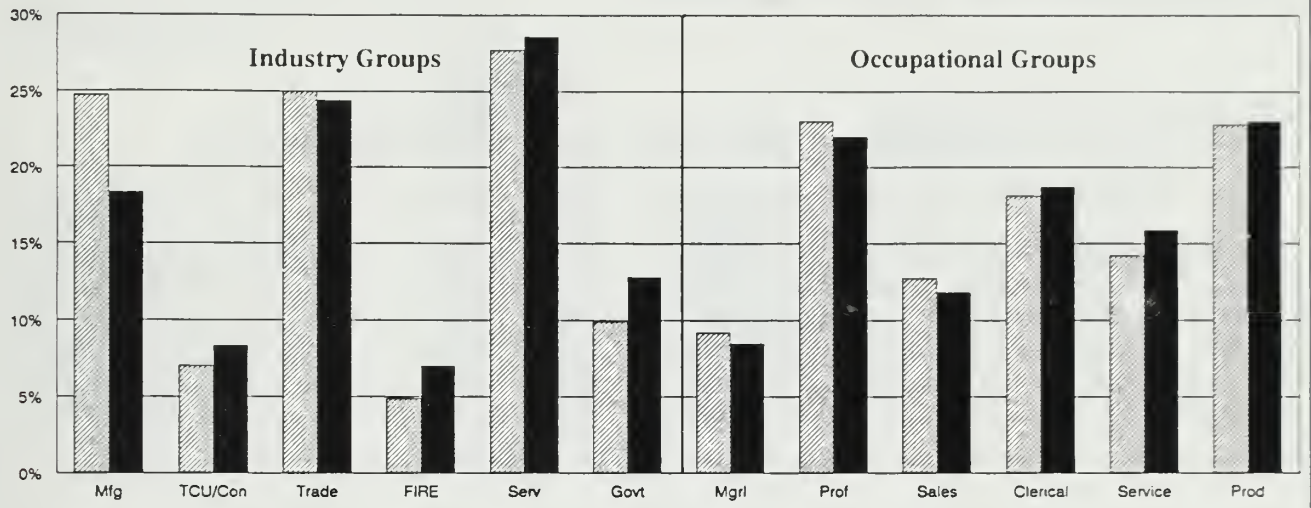
## Definition of Area

The Metro South/West SDA, bounded by Route 128 and Interstate 495, measures 693 square miles. Consisting of three cities and 40 of Massachusetts' oldest and wealthiest towns, it accounts for 38 percent of Massachusetts high tech manufacturing and 17.5 percent of the state's total employment.

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# Distribution of Employment by Industry and Occupation

 Metro South/West  
 State Average



comprise a smaller percentage of total employment in the SDA than in the state (27.7% vs. 28.6%). Metro South/West's service industries are diverse, with high technology service industries accounting for 20.8 percent of service sector employment--nearly twice the statewide average. Business services in advertising, accounting and auditing, legal counsel, management consulting and public relations, executive placement and referral, and conferencing

account for 25 percent; and another 50 percent of employment is in consumer services in health, education, repair, and amusement.

Service industries generated 65 percent of the jobs in Metro South/West between 1984 and 1989. Strong demand for business and high tech services in computer and data processing, engineering, and research and testing

accounted for the bulk of the new service-industry jobs.

Service industries should continue to show stronger growth than manufacturing industries. However, any slowing of the economy will have both a direct and indirect influence on the demand for services. Slower growth in profits and disposable income mean slower growth in business and consumer spending on advertising, management

## The following cities and towns comprise Metro South/West:

Acton	Foxborough	Medfield	Southborough
Ashland	Framingham	Medway	Stow
Bedford	Franklin	Millis	Sudbury
Bellingham	Holliston	Natick	Walpole
Boxborough	Hopkinton	Needham	Waltham
Brookline	Hudson	Newton	Wayland
Canton	Lexington	Norfolk	Wellesley
Carlisle	Lincoln	Norwood	Weston
Concord	Littleton	Plainville	Westwood
Dedham	Marlborough	Sharon	Wrentham
Dover	Maynard	Sherborn	



## Employment in Major Groups

		Percent <u>Distribution</u>	
<i>(Note employment levels exclude federal government, private households and agricultural workers)</i>	Employment	SDA	State Average
Total, all Occupations .....	478,435	100.0	100.0
Professional & Technical .....	109,840	23.0	22.0
Prod/Const Wkrs & Operators .....	109,295	22.8	23.0
Clerical & Administrative .....	86,610	18.1	18.7
Service Occupations .....	67,930	14.2	15.9
Sales Occupations .....	60,615	12.7	11.8
Managerial & Executive .....	44,145	9.2	8.5

consulting, and public relations. Metro South/West has the largest number of jobs in high tech services among Massachusetts' 15 SDAs. Accelerating demand for office and factory automation information systems, both in the U.S. and abroad, is expected to benefit Metro South/West, particularly its computer and data processing service firms. This demand should help to insulate Metro South/West's service industries from severe downturns in business cycles.

Manufacturers employ the second largest number of workers in Metro South/West (123,330) and account for a far greater share of total employment in the SDA than in the state (24.7% vs 18.3%). High tech manufacturers account for 70.5 percent of employment in manufacturing.

Metro South/West's manufacturing is primarily concentrated in precision instrument industries and computers. As a group, Metro South/West's instrument manufacturers account for the largest number of high tech manufacturing jobs (37,890) or 43.6 percent. This group of five industries includes producers of industrial, commercial and residential measuring

and controlling devices and laboratory instruments and apparatus, used primarily in guided missile systems and medical establishments.

Computer manufacturing accounts for another 26 percent of Metro South/West's high tech manufacturing employment. Sluggish domestic and defense demand and negligible growth in exports continued to plague the SDA's mainframe and minicomputer manufacturers. As a result, computer manufacturing jobs contracted 4.6 percent to 21,885 in 1989. This loss of 1,060 jobs accounted for the bulk of the manufacturing jobs lost in the area between 1988 and 1989. Computer manufacturing continued to contract throughout 1990.

Metro South/West manufacturing is so closely tied to long term investments in new plant and equipment that its ability to keep ahead technologically is crucial to its survival. When a company invests in new computers, software systems or instruments to modernize existing information or production processes, a significant portion of a company's revenues will be allocated for this major investment. Consequently, any rebound in Metro

South/West's manufacturing sector will depend on how quickly it can produce new high tech products and how well the market will accept them.

Retail trade employs the third largest number of workers (84,010), but accounts for a smaller share of total employment in the SDA than in Massachusetts (16.8% vs 18.4%). Eating and drinking places had been one of the fastest growing industries during the eighties both in the state and SDA, before dropping off sharply in 1990. They account for 29 percent of retail trade employment in the SDA. Overall, however, Metro South/West retail trade employment expanded slowly, growing 9 percent between 1984 and 1989, slower than the 11 percent average annual growth rate recorded for the state. Metro South/West's slower population growth, limiting the demand for retail goods, and record low unemployment rates, creating a tight labor market situation, helped account for the SDA's slower growth in retail trade.

Wholesalers employ the fourth largest number of workers (40,920) and account for 8 percent of Metro South/West's employment compared to 6 percent in Massachusetts. The area's strategic



# Top Ten Occupations and Industries with the Largest Employment

## Top Ten Occupations

Retail Trade Sales Representatives .....	16,670
Secretaries .....	15,265
General Managers and Top Executives .....	14,595
Electrical & Electronic Engineers .....	14,460
Helpers and Laborers, nec .....	12,245
Cashiers .....	10,750
Bookkeepers and Auditing Clerks .....	9,510
General Office Clerks .....	9,320
Waiters and Waitresses .....	8,595
Janitors and Cleaners .....	8,280

## Top Ten Industries

Elementary & Secondary Schools, public and private .....	25,560
Eating and Drinking Places .....	24,690
Computer and Office Equipment Manufacturers .....	21,890
Professional and Commercial Equipment, Wholesale .....	14,950
Measuring and Controlling Device Manufacturers .....	14,710
Computer and Data Processing Services .....	14,430
Search and Navigation Equipment Manufacturers .....	13,500
Hospitals, public and private .....	12,870
Local Govt., exc schools and hospitals .....	12,110
Grocery Stores .....	10,710

location, with access to Logan Airport, downtown Boston, Route 128, the Massachusetts Turnpike, and Interstate 495, has helped Metro South/West become one of the state's leading wholesale trade distribution centers of professional and commercial equipment.

Finance, insurance and real estate; construction; and transportation, communications and utilities represent less than 5 percent each of total employment. The proximity of Boston's major financial institutions and utilities, plus local factors such as slow population growth, account for the smaller percentage share of employment these industries have in Metro South/West than in Massachusetts.

## Occupational Composition

Because of the large concentration of high tech manufacturing in Metro South/West, jobs in professional and technical occupations account for the most jobs (109,840), followed by jobs in production, construction and machining occupations (109,295).

Clerical and administrative workers rank third, with 18 percent of jobs. Due to the smaller percentage of employment

in retail trade industries, particularly in food stores and eating and drinking places, jobs in service occupations comprise 14.2 percent of total employment compared to 15.9 percent in Massachusetts.

Sales workers, with 12.7 percent of the jobs and managers and executives, with 9.2 percent account for the remaining employment in Metro South/West. However, these workers comprise a greater percentage share of employment in the SDA than in the state as a whole, because of the large number of high tech firms located in the SDA. High tech firms, whose products are, for the most part new and unknown, require larger sales and managerial staffs than companies with more traditional product lines.

## Employment in Major Groups

The following sections summarize employment in occupations with the largest number of jobs within each category. Comparisons made between the state and the SDA identify the major differences in the occupational concentration of employment.

**Managerial and Executive Occupations**  
Managers and executives hold 44,145 jobs or 9.2 percent of the jobs in Metro South/West. Statewide, managers and executives hold a smaller share of jobs (8.5%). Approximately 40 percent of Metro South/West's managers are managers of finance, personnel, purchasing, marketing, administrative services, and engineering. Engineering managers account for the most jobs (5,130) in this group, followed by controllers and other financial managers with 4,570 jobs, and marketing managers with 3,085 jobs. General managers and top executives, whose jobs are too diverse and general in nature to be classified in any functional or line area of management, account for another 33 percent of Metro South/West's managers.

## Professional and Technical Occupations

Professional and technical workers have the most jobs (109,840) or 23.0 percent of the jobs in Metro South/West. Engineers and engineering technicians make up the largest group of professional and technical workers, accounting for over 30 percent of the jobs. Over 60 percent of the SDA's engineers are computer and electronic engineers.

## Labor Force, Employment and Unemployment

	Labor Force	Employed	Unemployed	Unemployment Rate	
				SDA	State Average
1983	433,030	414,440	18,580	4.3	6.9
1984	448,320	434,950	13,380	3.0	4.8
1985	449,050	437,980	11,080	2.5	3.9
1986	453,310	442,510	10,810	2.4	3.8
1987	456,020	445,580	10,440	2.3	3.2
1988	464,570	454,110	10,470	2.3	3.3
1989	466,910	454,010	12,900	2.8	4.0
1990	462,940	443,990	18,960	4.1	6.0

The second largest group of professional and technical workers are teachers, educators, librarians and instructors with 21,115 jobs or 19.2 percent. Elementary school teachers, including preschool and kindergarten teachers and secondary school teachers hold approximately 23 percent each of the teaching jobs. College and university professors hold another 3,790 teaching jobs.

Accountants, auditors and other financial specialists; purchasing agents and buyers; personnel, training and labor relations specialists; and cost estimators and other management support workers comprise the third largest group of professional and technical workers with 16,740 jobs or 15.2 percent.

Health practitioners and technicians and technologists, numbering 16,470, hold another 15 percent of jobs. Registered nurses account for 34 percent of the jobs in these professional health occupations. Computer systems analysts, programmers, and other math scientists have 5,430 jobs, or the fifth largest number of professional and technical jobs.

### Sales Occupations

Sales workers account for 12.7 percent of Metro South/West's employment

compared to 11.8 percent statewide. Cashiers and retail trade sales representatives are the largest sales occupations in the state and SDA. In Metro South/West, however, they comprise a smaller percentage share of the sales work force than in Massachusetts (45% vs. 50%) because of the SDA's smaller percentage of employment in retail trade, the industry employing the largest number of sales workers. In contrast, manufacturing, wholesale trade and service sales representatives make up a greater percentage of the sales jobs in the SDA than in the state because of the concentration of high tech companies (22% vs 14.6%) in this area.

### Clerical Occupations

The 86,610 clerical workers in Metro South/West comprise 18.1 percent of employment. Secretaries, bookkeepers, receptionists and general office clerks account for over half the clerical workers. Production schedulers, traffic, shipping and receiving clerks, stock clerks, and order fillers hold the second largest number of clerical jobs, with 10,575 jobs or 12.2 percent of employment.

### Service Occupations

Jobs in food service occupations account for 43 percent of the jobs in service occupations. Cooks, waiters, waitresses,

hosts and hostesses account for the bulk of the jobs in food service occupations. Janitors and cleaners and other building service workers, with 18.4 percent, account for the second largest number of service jobs. Health service workers, such as nursing and home health aides account for the third largest number of service jobs (10,800), while security guards, police detectives and patrol officers comprise the fourth largest number, 7,650 jobs or 11.5 percent.

### Production, Construction and Machining Occupations

Production and construction workers, repairers, installers, operators and assemblers, with 109,295 jobs, account for the second largest employment category. Helpers and laborers hold the most jobs in this group with 17,810 jobs or 16.3 percent of total employment. Mechanics, repairers and installers, with 16,875 jobs, hold the second largest number of jobs. General utility repairers, automobile and auto body repairers, computer service technicians and heating, refrigeration and air conditioning mechanics account for the bulk of the jobs in repair and installation.

Transportation and material moving equipment operators, such as truck drivers, gasoline service station



attendants, and crane operators and assemblers and other hand workers account for 14 percent each of employment. Machine operators, setters, set-up operators and tenders account for 13,175 jobs or the fifth largest number of jobs. Construction trades workers with 11,895 jobs, supervisors and inspectors with 11,175 jobs and precision production workers with 6,235 jobs account for the remaining employment in this category.

### **Population**

From 1970 to 1980, when Metro South/West was a loosely related group of suburbs and small cities, its population declined marginally from 799,646 to 797,325. In the eighties, however, Metro South/West's population grew only 1.4 percent, well below the 2.7 percent statewide average. Why didn't the high tech boom of the eighties that turned the area around economically generate a bigger increase in population? There are a number of explanations, including the area's high housing prices and strict zoning laws, and superior transportation networks.

Metro South/West has the largest and most educated population in Massachusetts. Approximately 84.4 percent are high school graduates compared to 72.2 percent statewide and 34.4 percent are college graduates compared to 20.0 percent statewide.

### **Labor Force/Unemployment**

Metro South/West's labor force growth corresponded closely to economic growth during the eighties. Fueled by the strong economy, the aging of the

baby boomers, and dramatic increases in the percentages of women working, Metro South/West's labor force expansion exceeded its population growth rate. Between 1980 and 1989 Metro South/West's labor force increased 11.9 percent from 417,400 to 466,910. In 1990, however, it declined to 462,940 as unemployment increased substantially.

Much of Metro South/West's labor force expansion occurred early in the decade. From 1980 to 1984 the Metro South/West labor force expanded by 30,920 people. As economic growth slowed down, between 1984 and 1989, only 18,600 people entered the labor force. In 1990 as unemployment rose sharply, the number in the labor force declined by nearly 4,000 people.

Throughout the 1980s Metro South/West had the lowest unemployment rate of all the Massachusetts SDAs. Coming out of the 1981-1982 recession, by 1983 Metro South/West's unemployment rate was 4.3 percent--lower than Massachusetts' 6.9 percent. In the ensuing years unemployment declined further to 3.0% in 1984, 2.5% in 1985, 2.4% in 1986, 2.3% in 1987 and 2.2% in 1988. In 1989, record low levels of unemployment ended and the jobless rate increased to 2.8 percent.

In 1990, the downturn worsened. Employment fell significantly and the jobless rate rose sharply to 4.1 percent. Had the Metro South/West labor force continued to grow during 1990, unemployment would have been even higher.

### **Income/Wages**

Metro South/West has one of the highest per capita incomes and wages in the state. In 1987, the latest year for which Census figures are available, Metro South/West's per capita income totaled \$19,970, \$5,581 more than the statewide average of \$14,389. The town of Weston had the highest per capita income in the area (\$41,480), followed by Dover (\$34,146), Sherborn (\$30,441), Carlisle (29,205), Wayland (\$28,656), Lincoln (\$27,271), and Wellesley (\$26,970).

Metro South/West's workforce earns the second highest wages and salaries in the state, after the city of Boston. In 1989, average annual wages for all workers covered by unemployment insurance was \$28,857, 114% of the statewide average (\$25,220).

Wages of workers employed in Metro South/West's industries vary. Wages in manufacturing are the highest (\$36,854), followed by wholesale trade (\$34,227), construction (\$31,775), communications and utilities (\$29,273), finance, insurance and real estate, services (\$26,609), and retail trade (\$15,683).

**Table A:  
Metro South/West  
Employment  
by Occupation**

		<b>Employment</b>	<b>Percent Distribution</b>
<b>Managerial Occupations</b>	Total Occupational Employment	478435	100.00
	Managerial And Administrative Occupations	44145	9.21
	Staff And Administrative Specialty Managerial Occupations	17725	3.69
	Financial Managers	4570	0.95
	Personnel, Training And Labor Relation Managers	1310	0.27
	Purchasing Managers	1285	0.27
	Marketing, Advertising And Related Managers	3085	0.64
	Administrative Service Managers	2345	0.49
	Engineering, Mathematical And Natural Science Managers	5130	1.07
	Line And Middle Management Industry Specific Occupations	6920	1.44
	Education Administrators	1410	0.29
	Medical And Health Service Managers	495	0.10
	Property And Real Estate Managers And Administrators	410	0.09
	Industrial Production Managers	2315	0.48
	Construction Managers	940	0.20
	Communications, Transportation, Utilities Operations Managers	445	0.09
	Food Service And Lodging Managers	905	0.19
	Other Managerial And Administrative Occupations	19500	4.08
	Pub Admin Chief Executives, Legislators, General Administrators	420	0.09
	General Managers And Top Executives	14595	3.05
	All Other Managers And Administrators	4485	0.94
<b>Professional &amp; Technical Occupations</b>	Professional, Paraprofessional And Technical Occupations	109840	22.99
	(Management Support Occupations)		
	Accountants, Auditors And Other Financial Specialists	7330	1.53
	Underwriters	830	0.17
	Loan Officers And Counselors	630	0.13
	Accountants And Auditors	4025	0.84
	Budget Analysts	670	0.14
	All Other Financial Specialists	1175	0.25
	Purchasing Agents And Buyers	2095	0.44
	Wholesale And Retail Buyers, Except Farm Products	900	0.19
	Purchasing Agents And Buyers, Farm Products	60	0.01
	Purchasing Agents - Exc Wholesale, Retail & Farm Products	1135	0.24
	Personnel, Training, Labor Relations Specialists And Related	1810	0.37
	Special Agents, Insurance	55	0.01
	Employment Interviewers	205	0.04
	Personnel, Training And Labor Relations Specialists	1550	0.32
	Other Management Support Workers	5505	1.16
	Cost Estimators	775	0.16
	Construction And Building Inspectors	320	0.07
	Compliance Officers, Enforcement Inspectors, Exc Construction	100	0.02
	Tax Examiners, Collectors And Revenue Agents	75	0.02
	Assessors	375	0.08
	Claims Examiners, Property And Casualty Insurance	220	0.05
	All Other Management Support Workers	3640	0.76

**Table A:  
Metro South/West  
Employment  
by Occupation**

	Employment	Percent Distribution
(Engineers & Engineering Technicians)		
Engineers	22715	4.74
Aeronautical And Astronautical Engineers	315	0.07
Metallurgists And Metallurgical, Ceramic, Materials Engineers	60	0.01
Chemical Engineers	400	0.08
Civil Engineers, Including Traffic Engineers	1485	0.31
Electrical And Electronic Engineers	14460	3.02
Industrial And Safety Engineers	1565	0.33
Mechanical Engineers	2460	0.51
All Other Engineers	1970	0.41
Architects And Surveying And Mapping Scientists	505	0.11
Architects, Except Landscape And Marine	505	0.11
Engineering And Related Technicians And Technologists	10680	2.23
Civil Engineering Technicians And Technologists	200	0.04
Electrical, Electronic Engineering Technicians, Technologists	4790	1.00
Industrial Engineering Technicians And Technologists	350	0.07
Mechanical Engineering Technicians And Technologists	800	0.17
Drafters	2095	0.44
All Other Engineering Technicians And Technologists	2445	0.51
Physical Scientists	1420	0.30
Chemists, Except Biochemists	430	0.09
All Other Physical Scientists	990	0.21
Life Scientists	610	0.14
Biological Scientists	220	0.05
Medical Scientists	315	0.07
All Other Life Scientists	75	0.02
Physical And Life Science Technicians And Technologists	615	0.13
Chemical Technicians, Technologists, Exc Health, Engineering	360	0.08
All Other Physical And Life Science Technicians, Technologist	255	0.05
(Computer & Math Scientists)		
Computer Scientists And Related Workers	5030	1.05
Systems Analysts, Electronic Data Processing	2775	0.58
Computer Programmers	2190	0.46
Programmers - Numerical, Tool And Process Control	65	0.01
Mathematical Scientists And Related Workers	400	0.09
Operations And Systems Researchers	170	0.04
Financial Analysts	150	0.03
All Other Mathematical Scientists	80	0.02
Social Scientists, Including Urban And Regional Planners	635	0.13
Psychologists	540	0.11
All Other Social Scientists	95	0.02
Other Selected Social Science Related Workers	3270	0.69
Social Workers, Medical And Non-medical	2285	0.48
Social Service Technicians	385	0.08
Recreation Workers	600	0.13
Religious Workers	95	0.02
(Lawyers, Paralegals & Related)		
Lawyers And Related Workers	765	0.16
Lawyers	765	0.16
Legal Assistants And Technicians, Except Clerical	335	0.07
Paralegal Personnel	230	0.05
All Other Legal Assistants And Technicians	105	0.02

**Table A:**  
**Metro South/West**  
**Employment**  
**by Occupation**

	Employment	Percent Distribution
(Teachers Educators, Librarians & Related)		
College And University Faculty	3790	0.79
Other Teachers And Instructors	13890	2.90
Teachers, Preschool And Kindergarden	1005	0.21
Teachers, Elementary	3740	0.78
Teachers, Secondary School	4800	1.00
Teachers, Special Education	1300	0.27
Teachers And Instructors, Vocational Education	630	0.13
Instructors, Nonvocational Education	515	0.11
Instructors And Coaches, Sports	1055	0.22
All Other Teachers And Related Workers	845	0.18
Librarians, Archivists, Curators, Other Slected Ed Rel Workrs	3435	0.71
Librarians, Professional	900	0.19
Technical Assistants, Library	635	0.13
Vocational And Educational Counselors	535	0.11
Instructional Coordinators	145	0.03
Teacher Aides, Paraprofessional	1220	0.25
(Health Pracitioners, Technicians & Technologists)		
Health Diagnosing And Treating Practitioners	1710	0.36
Physicians And Surgeons	1080	0.23
Dentists	630	0.13
Therapists	785	0.17
Respiratory Therapists	95	0.02
Occupational Therapists	125	0.03
Physical Therapists	175	0.04
Speech Pathologists And Audiologists	250	0.05
Recreational Therapists	140	0.03
Selected Health Care Maintenance And Treating Workers	8880	1.85
Registered Nurses	5640	1.18
Licensed Practical Nurses	2175	0.45
Emergency Medical Technicians	285	0.06
Opticians, Dispensing And Measuring	80	0.02
Pharmacists	495	0.10
Dieticians And Nutritionists	155	0.03
Dietetic Technicians	50	0.01
Other Health Professionals, Paraprofessionals And Technicians	5095	1.07
Medical And Clinical Laboratory Technologists And Technicians	650	0.14
Dental Hygienists	365	0.08
Medical Records Technicians	110	0.02
Radiologic Technicians	1445	0.30
All Other Health Professionals And Others	2525	0.53
Selected Writers, Artists, Entertainers, Athletes And Related	5470	1.16
Writers And Editors, Including Technical Writers	2050	0.43
Public Relations Specialists And Publicity Writers	170	0.04
Reporters And Correspondents	500	0.11
Annnouncers, Radio And Television	75	0.02
Photographers And Camera Operators	145	0.03
Broadcast Technicians	165	0.03
Artists And Related Workers	370	0.08
Interior Designers	1585	0.33
Musicians, Instrumental	185	0.04
Producers, Directors, Actors And Others	75	0.02
Athletes, Coaches, Umpires And Related	150	0.03



**Table A:  
Metro South/West  
Employment  
by Occupation**

by Occupation	Employment	Percent Distribution	
	Other Professional, Paraprofessional, Technical Occupations	2970	0.62
	Radio Operators	50	0.01
	Funeral Directors And Morticians	55	0.01
	All Other Professional, Paraprofessional And Technicians	2865	0.60
Marketing & Sales Occupations	Sales And Related Occupations	60615	12.68
	First Line Supervisors And Manager/supervisors	4725	0.99
	Sales Occupations, Services	3940	0.83
	Sales Agents And Placers, Insurance	1200	0.25
	Brokers And Sales Agents, Real Estate	235	0.05
	Appraisers, Real Estate	80	0.02
	Sales Agents, Securitates, Commodities And Financial Services	130	0.03
	Travel Agents	945	0.20
	Sales Agents, Advertising	675	0.14
	All Other Sales Representatives, Service	675	0.14
	Merchandise, Products, Other Sales, Sales-related Occupations	51950	10.86
	Sales Engineers	1310	0.27
	Sales Reps, Scientific And Related Products And Services	6820	1.42
	Sales Reps, Exc Scientific And Related Products Or Services	5490	1.15
	Salespersons, Retail Trade	16670	3.48
	Salespersons, Parts	985	0.21
	Counter And Rental Clerks	645	0.14
	Stock Clerks, Sales Floor	6175	1.29
	Cashiers	10750	2.25
	All Other Sales And Related Workers	3105	0.65
Clerical Occupations	Clerical And Administrative Support Occupations	86610	18.11
	First Line Supervisors And Manager/supervisor	6190	1.29
	First Line Supervisors - Clerical And Administrative Clerks	6190	1.29
	Banking, Security, Finance And Credit Workers	5140	1.08
	Tellers	2480	0.52
	New Accounts Clerks	475	0.10
	Loan Interviewers	70	0.02
	Credit Checkers	110	0.02
	Loan And Credit Clerks	395	0.08
	Adjustment Clerks	1510	0.32
	Statement Clerks	100	0.02
	Selected Insurance Workers	2520	0.52
	Adjusters, Examiners, Investigators	920	0.19
	Insurance Appraisers, Auto Damage	100	0.02
	Insurance Claims Clerks	485	0.10
	Insurance Policy Processing Clerks	1015	0.21
	Investigative And Related Workers, Except Insurance	700	0.15
	Bill And Account Collectors	700	0.15
	Municipal And Related Workers	130	0.03
	Municipal Clerks	130	0.03
	Selected Lodging And Travel Workers	555	0.11
	Reservation And Transportation Agents	110	0.02
	Hotel Desk Clerks	445	0.09

**Table A:  
Metro South/West  
Employment  
by Occupation**

	Employment	Percent Distribution
Other Selected Industry Specific Workers	1465	0.32
Library Assistants And Bookmobile Drivers	495	0.10
Teacher Aides And Education Assistants	645	0.14
Advertising Clerks	75	0.02
Proofreaders And Copy Markers	130	0.03
Real Estate Clerks	120	0.03
Secretaries, Stenographers And Typists	17020	3.55
Legal Secretaries	630	0.13
Medical Secretaries	1125	0.23
Secretaries	15265	3.19
Other Secretarial Related And General Office Workers	31620	6.62
Stenographers	345	0.07
Receptionists And Information Clerks	2720	0.57
Typists And Word Processors	3005	0.63
Personnel Clerks, Except Payroll And Timekeeping	455	0.10
File Clerks	1260	0.26
Order Clerks - Materials, Merchandise And Service	1770	0.37
Procurement Clerks	235	0.05
Statistical Clerks	140	0.03
Interview Clerks, Except Personnel And Welfare	240	0.05
Customer Service Representative, Utilities	245	0.05
Bookkeeping, Accounting, Auditing Clerks	9510	1.99
Payroll And Timekeeping Clerks	655	0.14
Billing, Cost And Rate Clerks	1720	0.36
General Office Clerk	9320	1.95
Electronic Data Processing, Other Office Machine Occupations	5175	1.08
Billing, Posting And Calculating Machine Operators	565	0.12
Mail Machine Operators, Preparing And Handling	180	0.04
Computer Operators, Except Peripheral Equipment	2125	0.44
Peripheral Edp Equipment Operators	150	0.03
Data Entry Keyers, Except Composing	1475	0.31
Data Entry Keyers, Composing	185	0.04
All Other Office Machine Operators	495	0.10
Communications Equipment Operators	1345	0.28
Switchboard Operator	1160	0.24
Central Office Operators	185	0.04
Mail And Message Distribution Workers	575	0.12
Mail Clerks, Except Machine Operators And Post Office Messengers	255	0.05
	320	0.07
Material Recording, Scheduling, Dispatching, Distributing	11915	2.49
Dispatchers - Police, Fire, Ambulance	125	0.03
Dispatchers - Except Police, Fire And Ambulance	350	0.07
Production, Planning, Expediting Clerks	1875	0.39
Meter Readers, Utilities	60	0.01
Stock Clerks - Stockroom, Warehouse And Storage Yard	3970	0.83
Order Fillers, Wholesale And Retail Sales	1415	0.30
Traffic, Shipping And Receiving Clerks	3315	0.69
All Other Material Recording And Related Workers	805	0.17
All Other Clerical And Administrative Support Occupations	2260	0.47

**Table A:  
Metro South/West  
Employment  
by Occupation**

	Employment	Percent Distribution
Service Occupations		
Service Occupations	67930	14.20
First Line Supervisors - Service	2400	0.50
Fire Fighting And Prevention Supervisors	165	0.03
Police And Detective Supervisors	55	0.01
All Other Service Supervisors	2180	0.46
Protective Service Occupations	7650	1.59
Fire Fighters	785	0.16
Police Detectives And Investigators	735	0.15
Detectives And Investigators	235	0.05
Crossing Guards	100	0.02
Guards And Watch Guards	5565	1.16
All Other Protective Services	230	0.05
Food And Beverage Preparation And Service Workers	28785	6.01
Hosts And Hostesses	885	0.18
Bartenders	1900	0.40
Waiters And Waitresses	8595	1.80
Dining Room, Counter And Cafe Attendants	2130	0.44
Bakers, Bread And Pastry	375	0.08
Butchers And Meat Cutters	575	0.12
Cooks, Restaurant	2070	0.43
Cooks, Institution Or Cafe	975	0.20
Cooks, Speciality Fast Food And Fast Food	1660	0.35
Food Preparation Workers	3755	0.78
All Other Food Service Workers	5865	1.23
Health Service And Related Occupations	10800	2.27
Dental Assistants	695	0.15
Medical Assistants	260	0.05
Nurse Aides, Orderlies And Attendants	6870	1.44
Home Health Aides	1585	0.33
Psychiatric Aides	790	0.17
Physical And Corrective Therapy Assistants And Aides	85	0.02
Occupational Therapy Assistants And Aides	75	0.02
Pharmacy Assistants	150	0.03
All Other Health Servicers	290	0.06
Cleaning, Building Service Occupations, Exc Private Househlds	12210	2.54
Janitors And Cleaners, Including Housekeepers And Maids	3080	0.64
Janitors And Cleaners	8280	1.73
Pest Controllers And Assistants	60	0.01
All Other Cleaning And Building Service Workers	790	0.16
Personal Service Occupations	3630	0.75
Barbers	65	0.01
Cosmetologists And Related	1905	0.40
Amusement And Recreation Attendants	365	0.08
Guides 115	0.02	
Ushers, Lobby Attendants And Ticket Takers	100	0.02
Tranportation Attndnts, Exc Flight Attndnts, Baggage Porters	50	0.01
Social Welfare Service Aides	780	0.16
Child Care Workers	250	0.05
All Other Service Occupations	1010	0.21
All Other Service Workers	1010	0.21

**Table A:**  
**Metro South/West**  
**Employment**  
**by Occupation**

	Employment	Percent Distribution
Agricultural, Forestry, Fishing And Related Occupations	1445	0.30
Forestry And Conservation Workers	50	0.01
Nursery Workers	95	0.02
Gardeners And Groundskeepers, Except Farm	980	0.20
Animal Caretakers, Except Farm	225	0.05
All Other Agricultural, Forestry And Related Workers	95	0.02
<b>Production, Construction &amp; Maintenance Occupations</b>	<b>109295</b>	<b>22.84</b>
Production, Construction And Maintenance Occupations		
First Line Supervisors, Manager/supers - Prod, Constr, Maint	6865	1.44
First Line Supervisors - Mechanics And Repairers	1690	0.35
First Line Supervisors - Constuction And Related	1510	0.32
First Line Supervisors - Production And Related	2615	0.55
First Line Supervisors - Transportation And Related	185	0.04
First Line Supervisors - Helpers And Others	320	0.07
Blue Collar Worker Supervisors	545	0.11
Inspectors And Related Occupations	4310	0.90
Precision And Production Inspectors	4255	0.89
All Other Inspectors, Testers	55	0.01
<b>(Mechanics, Installers &amp; Repairers)</b>		
Machinery And Related Mechanics, Installers And Repairers	5820	1.22
Machinery Maintenance Mechanics	780	0.16
Mach Maintenance Mechanics, Water Or Power Generation Plant	145	0.03
Millwrights	120	0.03
Machinery Maintenance Wworkers	155	0.03
Maintenance Repairers, General Utility	4620	0.97
Mobile Equipment Mechanics, Installers And Repairers	4290	0.89
Automotive Mechanics	2290	0.48
Automotive Body And Related Repairers	995	0.21
Bus And Truck Mechanics And Diesel Mechanics	685	0.14
Mobile Heavy Equipment Mechanics	165	0.03
Aircraft Mechanics And Aircraft Engine Specialists	155	0.03
Communications Equipment Mechanics, Installers And Repairers	260	0.05
Central Office And Pbx Installers And Repairers	260	0.05
Other Electrical, Electronic Equip Mechs, Installers, Repairs	2915	0.61
Telephone And Cable Tv Line Installers And Repairers	480	0.10
Data Processing Equipment Repairers	1220	0.25
Electronic Home Entertainment Equipment Repairers	110	0.02
Electric Home Appliance And Power Tool Repairers	185	0.04
Electronics Repairers, Industrial Equipment	85	0.02
Electric Powerline Installers And Repairers	320	0.07
Station Installers And Repairers, Telephone	360	0.08
All Other Electric, Electronic Equip Mechs, Reprers, Instllrs	155	0.03
Other Mechanics, Installers And Repairers	3590	0.75
Heating, Air Conditioning, Refrigeration Mechs, Installers	970	0.20
Precision Instrument Repairers	280	0.06
Office Machine And Cash Register Servicers	305	0.06
Gas Appliance Repairers	90	0.02
Coin And Vending Machine Servicers	140	0.03
All Other Mechanics, Installers And Repairers	1805	0.38



**Table A:**  
**Metro South/West**  
**Employment**  
**by Occupation**

	Employment	Percent Distribution
(Construction Trades Occupations)		
Selected Carpentry And Related Workers	3395	0.71
Carpenters	2475	0.52
Ceiling Tile Installers	135	0.03
Drywall Installers And Tapers	785	0.16
Selected Electrical And Related Workers	1820	0.38
Electricians	1820	0.38
Selected Masonry And Related Workers	1250	0.26
Brick Masons And Stone Masons	530	0.11
Concrete And Terrazzo Finishers	305	0.06
Reinforcing Metal Workers	275	0.06
Plasterers And Stucco Masons	140	0.03
Selected Painting And Related Workers	1045	0.22
Painters, Paperhangers, Construction And Maintenance	1045	0.22
Selected Plumbing And Related Workers	2125	0.45
Plumbers, Pipefitters And Steamfitters	1955	0.41
Pipelayers	170	0.04
Selected Floor Related Workers, Except Carpenters	165	0.03
Carpet Installers	165	0.03
Selected Road, Rail, Related Constr & Maint Wrkrs, Exc Masons	640	0.13
Paving, Surfacing And Tamping Equipment Operators	190	0.04
Highway Maintenance Workers	450	0.09
All Other Construction Trades Workers	495	0.11
Insulation Workers	120	0.03
Sheet Metal Duct Installers	85	0.02
Roofers	230	0.05
Glaziers	60	0.01
Extractive And Related, Including Blasters	960	0.20
All Other Construction And Extractive Occupations	960	0.20
(Precision Production Occupations)		
Precision Metal Workers	4120	0.86
Tool And Die Makers	430	0.09
Precision Instrument Makers	130	0.03
Machinists	2265	0.47
Precision Tool Grinders, Filers, Sharpeners	135	0.03
Jewelers And Silversmiths	105	0.02
Sheet Metal Workers	670	0.14
Boilermakers	195	0.04
All Other Precision Metal Workers	190	0.04
Precision Woodworkers	400	0.08
Pattern And Model Makers, Wood	50	0.01
Wood Machinists	100	0.02
Cabinetmakers And Bench Carpenters	190	0.04
Furniture Finishers	60	0.01
Precision Textile, Apparel And Furnishings Workers	375	0.08
Custom Tailors And Sewers	200	0.04
All Other Precision Textile And Related Workers	175	0.04

**Table A:  
Metro South/West  
Employment  
by Occupation**

	Employment	Percent Distribution
Precision Printing Workers	410	0.09
Precision Compositors And Others	110	0.02
Job Printers	55	0.01
Precision Lithography And Photoengraving Workers	170	0.04
Bookbinders	75	0.02
Precision Food Workers	160	0.03
Food Batchmakers	105	0.02
All Other Precision Food And Tobacco Workers	55	0.01
Other Precision Workers	770	0.17
Precision Detail Design Decorators And Painters	110	0.02
Precision Photographic Process Workers	50	0.01
Precision Optical Goods Workers	80	0.02
Medical Appliance Makers	70	0.02
All Other Precision Workers	460	0.10
(Machine Setters, Set-up Operators, Operators, & Tenders)		
Machine Tool Cutting Setters, Ops And Related - Metal, Plas	1595	0.35
Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	360	0.08
Drilling, Boring Mach Tool Setters, Set-up Ops, Metal, Pl	170	0.04
Milling, Planing Machine Setters, Set-up Ops, Metal, Plastic	125	0.03
Grinding, Lapping, Buffing Machine Tool Setters, Set-up Ops	200	0.04
Machine Tool Cutting Operators	740	0.16
Machine Forming Setters, Operators And Related Workers	915	0.18
Punching Machine Setters And Set-up Operators, Metal, Plastic	95	0.02
Press, Press Brake Machine Setters, Set-up Ops, Metal, Plas	115	0.02
Shear, Slitter Machine Setters, Set-up Ops, Metal And Plastic	60	0.01
Extruding, Drawing Machine Setters, Set-up Ops, Metal And Pla	60	0.01
Sheetmetal Machine Operator	585	0.12
Numerical And Combination Tool Setters, Operators And Related	615	0.13
Numerical Control Machine Tool Operators, Tenders, Met, Plas	380	0.08
Combination Machine Tool Setters, Set-up Ops, Metal, Plastic	115	0.02
Combination Machine Tool Operators, Metal And Plastics	120	0.03
Metal Fabricating, Related Machine Setters, Operators	430	0.09
Welding Machine Setters And Set-up Operators	90	0.02
Welding Machine Operators And Tenders	105	0.02
Metal Fabricators, Structural Metal Products	235	0.05
Metal, Plastic Processing Machine Setters, Operators, Related	635	0.13
Plastic Molding, Casting Machine Operators And Tenders	375	0.08
Electrolytic Plating, Coating Machine Setters, Set-up Ops	100	0.02
Electrolytic Plating And Coating Machine Operators, Tenders	100	0.02
Heat Treating, Annealing, Tempering Mach Operators, Tenders	60	0.01
All Other Metal, Plastic Machine Setters, Operators, Related	665	0.14
All Other Metal, Plastic Machine Setters, Set-up Operators	330	0.07
All Other Metal And Plastic Machine Operators And Tenders	335	0.07
Printing, Binding And Related Workers	1350	0.27
Offset Lithographic Press Setters	150	0.03
Letterpress Setters And Set-up Operators	190	0.04
All Other Printing Press Setters And Set-up Operators	95	0.02
Specialty Materials Printing Machine Setters, Set-up Operator	50	0.01
Bindery Machine Setters And Set-up Operators	65	0.01
All Other Printing Related Setters And Set-up Operators	65	0.01
Typesetting And Composing Machine Operators And Tenders	160	0.03
Printing Press Machine Operators	330	0.07
Bindery Machine Operators	105	0.02
All Other Printing, Binding, Related Machine Ops And Tenders	140	0.03

**Table A:  
Metro South/West  
Employment  
by Occupation**

	Employment	Percent Distribution
Textile, Related Setters, Operators And Other Related Workers	1560	0.32
Textile Machine Ops, Tenders - Winding, Twisting, Knitting	305	0.06
Extruding, Forming Machine Ops, Tenders, Synthetic Or Glass	135	0.03
Sewing Machine Operators, Garment	210	0.04
Sewing Machine Operators, Non-garment	290	0.06
Laundry And Drycleaning Machine Operators	535	0.11
Pressing Machine Operators, Textile	85	0.02
Other Machine Setters, Set-up Operators, Operators, Tenders	5410	1.12
Electronic Semiconductor Processors	95	0.02
Motion Picture Projectionists	60	0.01
Photographic Process Machine Operators	295	0.06
Paper Goods Machine Setters And Set-up Operators	425	0.09
Cooling And Freezing Equipment Operators	85	0.02
Dairy Processing Equipment Operators, Including Setters	60	0.01
Chemical Equipment Controllers And Operators	150	0.03
Chemical Equipment Tenders	215	0.05
Cutting And Slicing Machine Operators	120	0.03
Painters, Transportation Equipment	105	0.02
Coating, Painting, Spraying Machine Setters, Set-up Operators	160	0.03
Coating, Painting And Spraying Machine Operators And Tenders	345	0.07
Cementing And Gluing Machine Operators And Tenders	65	0.01
Cleaning, Washing And Pickling Equipment Operators, Tenders	100	0.02
Separating, Filtering, Clarifying, Precipitating, Still Mach Ops	55	0.01
Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	300	0.06
Extruding, Forming, Pressing, Compacting Machine Ops, Tenders	130	0.03
Packaging And Filling Machine Operators	825	0.17
All Other Machine Operators	1820	0.38
(Assemblers & other Hand Workers)		
Precision Assemblers	4340	0.90
Machine Builders And Other Precision Machine	290	0.06
Electromechanical Equipment Assemblers - Prec	1365	0.28
Electrical And Electronic Equipment Assembler	2520	0.53
Watch, Clock, Chronometer Assemblers, Adjusters, Calibrators - Prec	65	0.01
All Other Precision Metal Assemblers	100	0.02
Other Hand Workers, Including Assemblers And Fabricators	11210	2.35
Machine Assemblers	375	0.08
Electrical And Electronic Assemblers	1865	0.39
Coil Winders, Tapers And Finishers	100	0.02
Welders And Cutters	860	0.18
Solderers And Brazers	165	0.03
Cutters And Trimmers, Hand	90	0.02
Cannery Workers	50	0.01
Grinding And Polishing Workers, Hand	315	0.07
Assemblers, Fabricators - Except Machine, Electrical, Electronic, Prec	4670	0.98
All Other Hand Workers	2720	0.57
Plant And Systems Occupations	790	0.17
Water And Liquid Waste Treatment Plant And System Operators	200	0.04
Stationary Engineers	70	0.02
All Other Plant And System Operators	520	0.11
(Transportation & Material Moving Machine & Vehicle Operators)		
Motor Vehicle Operators	11230	2.34
Truck Drivers, Heavy	4330	0.90
Truck Drivers, Light - Including Delivery And Route Drivers	3425	0.72
Bus Drivers	340	0.07
Bus Drivers, School	1745	0.36
Taxi Drivers And Chauffeurs	610	0.13
Driver/sales Workers	780	0.16

**Table A:**  
**Metro South/West**  
**Employment**  
**by Occupation**

	Employment	Percent Distribution
All Other Transportation And Related Workers	2255	0.47
Service Station Attendants	1555	0.32
All Other Transportation Workers	700	0.15
Material Moving Equipment Operators	2300	0.49
Excavating And Loading Machine Operators	340	0.07
Grading, Dozing And Scraper Operators	125	0.03
Industrial Truck And Tractor Operators	830	0.17
Operating Engineers	600	0.13
All Other Material Moving Equipment Operators	405	0.09
(Helpers, Laborers & Material Movers- Hand)		
Constructive Trades, Extractive Worker Helpers	2455	0.51
Helpers, All Other Construction Trades	2455	0.51
Machine Feeders And Offbearers	555	0.12
Machine Feeders And Offbearers	555	0.12
Freight, Stock And Material Handlers, Hand	180	0.04
Refuse Collectors	180	0.04
All Other Helpers, Laborers, Material Movers - Hand	14615	3.06
Hand Packers And Packagers	1860	0.39
Vehicle Washers And Equipment Cleaners	515	0.11
All Other Helpers, Laborers, Movers - Hand	12250	2.56



**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

		Employment	Percent Distribution
Managerial & Executive Occupations	o Financial Managers	4570	100.00
	Office Computing Machinery	455	9.96
	Commercial And Stock Savings Banks	325	7.11
	All Other Durable Goods Manufacturing	310	6.78
	Miscellaneous Business Services	305	6.67
	All Other Service	265	5.80
	Local Government, Except Education And Hospitals	225	4.92
	Electronic Components And Accessories	205	4.49
	All Other Finance, Insurance And Real Estate	200	4.38
	Colleges, Universities, Professional Schools, Junior Colleges	180	3.94
	All Other Special Trade Constructors	150	3.28
	All Other Wholesale And Retail Trade	150	3.28
	All Other Nondurable Goods Manufacturing	125	2.74
	Computer And Data Processing Services	105	2.30
	All Other Machinery, Except Electrical	100	2.19
	Office Of Dentists	100	2.19
	o Personnel, Training And Labor Relation Managers	1310	100.00
	Electronic Components And Accessories	205	15.65
	All Other Service	200	15.27
	Office Computing Machinery	185	14.12
	All Other Durable Goods Manufacturing	160	12.21
	Wholesale And Retail Trade	120	9.16
	Finance, Insurance And Real Estate	110	8.40
	Nondurable Goods Manufacturing	75	5.72
	Communication Equipment	55	4.20
	Miscellaneous Business Services	55	4.20
	All Other Membership Organizations	55	4.20
	o Purchasing Managers	1285	100.00
	All Other Durable Goods Manufacturing	170	13.23
	All Other Wholesale And Retail Trade	155	12.06
	Machinery, Equipment And Supplies	125	9.73
	Department Stores	110	8.56
	All Other Wholesale Trade-durable Goods	105	8.17
	All Other Miscellaneous Retail Stores	90	7.00
	All Other Wholesale Trade-nondurable Goods	75	5.84
	Miscellaneous Shopping Goods Stores	75	5.83
	Nondurable Goods Manufacturing	65	5.06
	Electrical Goods	65	5.06
	Office Computing Machinery	60	4.67
	Electronic Components And Accessories	55	4.28
	All Other Service	55	4.28
	o Marketing, Advertising And Related Managers	3085	100.00
	All Other Durable Goods Manufacturing	430	13.94
	Office Computing Machinery	405	13.13
	All Other Service	235	7.62
	All Other Business Services	210	6.81
	Electronic Components And Accessories	160	5.19
	Machinery, Equipment And Supplies	160	5.19
	Miscellaneous Business Services	140	4.54
	Communication Equipment	135	4.38
	Motor Vehicle Dealers (new And Used)	130	4.21
	All Other Wholesale And Retail Trade	110	3.57

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Administrative Service Managers	2345	100.00
Local Government, Except Education And Hospitals	985	42.00
All Other Durable Goods Manufacturing	155	6.61
All Other Service	155	6.61
Office Computing Machinery	135	5.76
Machinery, Equipment And Supplies	110	4.69
Real Estate Agents And Managers	105	4.48
Computer And Data Processing Services	105	4.48
Individual And Family Social Services	80	3.41
All Other Electrical And Electronic Equipment	70	2.98
All Other Finance, Insurance And Real Estate	70	2.99
o Engineering, Mathematical And Natural Science Managers	5130	100.00
Computer And Data Processing Services	1240	24.17
Office Computing Machinery	760	14.82
Personnel Supply Services	710	13.84
Electronic Components And Accessories	575	11.21
Communication Equipment	540	10.53
All Other Durable Goods Manufacturing	530	10.33
Miscellaneous Business Services	220	4.29
Engineering, Architectural And Surveying Services	180	3.51
All Other Machinery, Except Electrical	100	1.95
o Education Administrators	1410	100.00
Elementary And Secondary Schools	870	61.70
Colleges, Universities, Professionl Schools, Junior Colleges	315	22.34
Child Day Care Services	90	6.38
All Other Service	65	4.61
Schools And Educational Services, Not Elsewhere Classified	60	4.26
o Medical And Health Service Managers	495	100.00
Hospitals	180	36.37
Local Government, Except Education And Hospitals	80	16.16
Office Of Physicians	55	11.11
Nursing And Personal Care Facilities	55	11.11
Outpatient Care Facilities	55	11.11
All Other Health Services	55	11.11
o Property And Real Estate Managers And Administrators	410	100.00
Real Estate Agents And Managers	215	52.44
All Other Finance, Insurance And Real Estate	105	25.61
Real Estate Operators (except Developers) And Lessors	80	19.51
o Industrial Production Managers	2315	100.00
All Other Durable Goods Manufacturing	660	28.51
Office Computing Machinery	550	23.76
Electronic Components And Accessories	400	17.28
Communication Equipment	210	9.07
All Other Nondurable Goods Manufacturing	125	5.40
All Other Machinery, Except Electrical	90	3.89
All Other Printing And Publishing	90	3.89
Miscellaneous Electrical Equipment And Supplies	85	3.67
All Other Fabricated Metal Products	55	2.37
o Construction Managers	940	100.00

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
General Building Contractors - Residential Buildings	255	27.13
All Other Special Trade Constructors	120	12.77
Engineering, Architectural And Surveying Services	80	8.51
General Building Contractors - Nonresidential Buildings	75	7.98
Plumbing, Heating (except Electric), Air Conditioning	75	7.98
Heavy Construction, Exc Highway And Street Construction	70	7.45
Miscellaneous Special Trade Constructors	60	6.38
Finance, Insurance And Real Estate	60	6.38
Masonry, Stonework, Tile Setting And Plastering	55	5.85
All Other Construction	50	5.32
o Communications, Transportation, Utilities Operations Manager	445	100.00
All Other Transportation And Public Utilities	165	37.08
Wholesale And Retail Trade	130	29.21
Trucking, Local And Long Distance	115	25.84
o Food Service And Lodging Managers	905	100.00
Eating And Drinking Places	550	60.77
All Other Service	90	9.95
All Other Educational Services	75	8.29
Nonstore Retailers	65	7.18
Hotels, Motels And Tourist Courts	65	7.18
All Other Health Services	55	6.08
o General Managers And Top Executives	14595	100.00
Machinery, Equipment And Supplies	1010	6.92
Eating And Drinking Places	780	5.34
All Other Durable Goods Manufacturing	680	4.66
Food Stores	500	3.43
Miscellaneous Business Services	490	3.36
Electrical Goods	345	2.36
Miscellaneous Shopping Goods Stores	330	2.26
All Other Service	330	2.26
Office Computing Machinery	300	2.06
All Other Finance, Insurance And Real Estate	300	2.06
Engineering, Architectural And Surveying Services	250	1.71
Accounting, Auditing And Bookkeeping Services	235	1.61
Furniture, Home Furnishings, Equip Stores, Exc Appliances	225	1.54
Retail Stores, Not Elsewhere Classified	220	1.51
Insurance Agents, Brokers And Service	220	1.51
All Other Wholesale Trade-durable Goods	205	1.41
Motor Vehicle Dealers (new And Used)	205	1.41
All Other Wholesale And Retail Trade	200	1.37
Miscellaneous Special Trade Constructors	190	1.30
Fire, Marine And Casualty Insurance	190	1.30
Women's Ready-to-wear Stores	185	1.27
Elementary And Secondary Schools	185	1.27
All Other Wholesale Trade-nondurable Goods	170	1.17
All Other Food Stores	170	1.17
Individual And Family Social Services	170	1.17
Department Stores	165	1.13
All Other Apparel And Accessory Stores	165	1.13
Services To Dwellings And Other Buildings	165	1.13
All Other Transportation And Public Utilities	160	1.10
General Building Contractors - Residential Buildings	155	1.06
All Other Special Trade Constructors	155	1.06
Apparel, Piece Goods And Notions	155	1.06
All Other Fabricated Metal Products	150	1.03

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

		Employment	Percent Distribution
Professional & Technical Occupations	o Underwriters	830	100.00
	Insurance Agents, Brokers And Service	400	48.19
	Fire, Marine And Casualty Insurance	320	38.56
	All Other Finance, Insurance And Real Estate	60	7.23
	Life Insurance	50	6.02
	o Loan Officers And Counselors	630	100.00
	Commercial And Stock Savings Banks	310	49.21
	Mortgage Bankers And Brokers	165	26.19
	Savings And Loan Associations	60	9.52
	Personal Credit Institutions	55	8.73
	o Accountants And Auditors	4025	100.00
	Accounting, Auditing And Bookkeeping Services	1255	31.18
	All Other Durable Goods Manufacturing	385	9.57
	Office Computing Machinery	240	5.96
	All Other Wholesale And Retail Trade	220	5.47
	Machinery, Equipment And Supplies	205	5.09
	Electronic Components And Accessories	170	4.22
	Finance, Insurance And Real Estate	165	4.10
	Nondurable Goods Manufacturing	140	3.48
	Eating And Drinking Places	135	3.35
	All Other Service	125	3.11
	Communication Equipment	115	2.86
	Local Government, Except Education And Hospitals	110	2.73
	All Other Miscellaneous Retail Stores	95	2.36
	Engineering, Architectural And Surveying Services	95	2.36
	Miscellaneous Business Services	80	1.99
	Legal Services	80	1.99
	o Budget Analysts	670	100.00
	Electronic Components And Accessories	150	22.39
	Office Computing Machinery	105	15.67
	Computer And Data Processing Services	105	15.67
	All Other Durable Goods Manufacturing	85	12.69
	All Other Miscellaneous Services	60	8.95
	Department Stores	55	8.21
	All Other Electrical And Electronic Equipment	50	7.46
	o Wholesale And Retail Buyers, Except Farm Products	900	100.00
	Department Stores	140	15.56
	Miscellaneous Shopping Goods Stores	90	10.00
	All Other Wholesale And Retail Trade	90	10.00
	Electrical Goods	85	9.44
	Machinery, Equipment And Supplies	80	8.89
	All Other Wholesale Trade-durable Goods	75	8.33
	All Other Apparel And Accessory Stores	70	7.78
	Shoe Stores	60	6.67
	All Other Building Materials And Garden Supplies	55	6.11
	All Other Miscellaneous Retail Stores	55	6.11
	Hardware, And Plumbing And Heating Equipment And Supplies	50	5.55
	All Other Wholesale Trade-nondurable Goods	50	5.56



**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Purchasing Agents - Exc Wholesale, Retail & Farm Products	1135	100.00
All Other Durable Goods Manufacturing	335	29.52
Office Computing Machinery	200	17.62
Electronic Components And Accessories	135	11.89
All Other Business Services	85	7.49
Nondurable Goods Manufacturing	80	7.05
Communication Equipment	70	6.17
All Other Service	70	6.17
All Other Machinery, Except Electrical	50	4.41
All Other Electrical And Electronic Equipment	50	4.40
o Personnel, Training And Labor Relations Specialists	1550	100.00
Electronic Components And Accessories	395	25.48
All Other Durable Goods Manufacturing	250	16.13
Office Computing Machinery	240	15.48
Miscellaneous Business Services	130	8.39
All Other Membership Organizations	90	5.81
Communication Equipment	85	5.48
All Other Wholesale And Retail Trade	80	5.16
All Other Miscellaneous Services	75	4.84
All Other Service	65	4.19
o Cost Estimators	775	100.00
All Other Special Trade Contractors	165	21.29
All Other Durable Goods Manufacturing	130	16.77
Office Computing Machinery	105	13.55
General Building Contractors - Residential Buildings	95	12.26
Electrical Work	95	12.26
Communication Equipment	60	7.74
Nondurable Goods Manufacturing	50	6.45
o Chemical Engineers	400	100.00
Engineering, Architectural And Surveying Services	125	31.25
All Other Chemicals And Allied Products	75	18.75
All Other Machinery, Except Electrical	60	15.00
Miscellaneous Business Services	60	15.00
All Other Electrical And Electronic Equipment	50	12.50
o Civil Engineers, Including Traffic Engineers	1485	100.00
Engineering, Architectural And Surveying Services	1295	87.20
Local Government, Except Education And Hospitals	110	7.41
All Other Service	55	3.70
o Electrical And Electronic Engineers	14460	100.00
Computer And Data Processing Services	5985	41.39
Office Computing Machinery	2535	17.53
All Other Durable Goods Manufacturing	1875	12.97
Communication Equipment	1680	11.62
Electronic Components And Accessories	1260	8.71
Machinery, Equipment And Supplies	440	3.04
Personnel Supply Services	175	1.21
Miscellaneous Electrical Equipment And Supplies	165	1.14
Engineering, Architectural And Surveying Services	80	0.55
Electrical Goods	75	0.52
Radio And Tv Receiving Equipment	55	0.38
Transportation And Public Utilities	55	0.38

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Industrial And Safety Engineers	1565	100.00
All Other Durable Goods Manufacturing	410	26.20
Engineering, Architectural And Surveying Services	325	20.77
Office Computing Machinery	265	16.93
Communication Equipment	245	15.66
Electronic Components And Accessories	175	11.18
All Other Service	60	3.83
o Mechanical Engineers	2460	100.00
All Other Durable Goods Manufacturing	1265	51.42
Electronic Components And Accessories	235	9.55
Office Computing Machinery	180	7.32
Communication Equipment	145	5.89
All Other Machinery, Except Electrical	110	4.47
Computer And Data Processing Services	105	4.27
General Industrial Machinery	85	3.46
Personnel Supply Services	85	3.46
Miscellaneous Business Services	75	3.05
Engineering, Architectural And Surveying Services	55	2.24
Nondurable Goods Manufacturing	50	2.03
o Architects, Except Landscape And Marine	505	100.00
Engineering, Architectural And Surveying Services	415	82.18
Miscellaneous Business Services	90	17.82
o Electrical, Electronic Engineering Technicians, Technologists	4790	100.00
All Other Durable Goods Manufacturing	990	20.67
Computer And Data Processing Services	825	17.22
Office Computing Machinery	660	13.78
Communication Equipment	605	12.63
Electronic Components And Accessories	335	6.99
Machinery, Equipment And Supplies	305	6.37
Electrical Goods	290	6.05
Personnel Supply Services	265	5.53
Miscellaneous Electrical Equipment And Supplies	120	2.51
Miscellaneous Business Services	95	1.98
All Other Wholesale And Retail Trade	80	1.67
Transportation And Public Utilities	65	1.36
Radio, Television And Music Stores	65	1.36
General Industrial Machinery	55	1.15
o Mechanical Engineering Technicians And Technologists	800	100.00
All Other Durable Goods Manufacturing	520	65.00
Office Computing Machinery	70	8.75
Electronic Components And Accessories	65	8.13
General Industrial Machinery	60	7.50
o Drafters	2095	100.00
Engineering, Architectural And Surveying Services	695	33.17
All Other Durable Goods Manufacturing	500	23.87
Communication Equipment	270	12.89
Office Computing Machinery	175	8.35
Miscellaneous Business Services	115	5.49
Electronic Components And Accessories	100	4.77
All Other Machinery, Except Electrical	90	4.30
Computer And Data Processing Services	50	2.39

**Table B:  
Metro South/West  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Chemists, Except Biochemists	430	100.00
Miscellaneous Business Services	205	47.68
All Other Chemicals And Allied Products	95	22.09
Durable Goods Manufacturing	60	13.95
Drugs	60	13.95
o Chemical Technicians, Technologists, Exc Health, Engineering	360	100.00
Miscellaneous Chemical Products	90	25.00
Miscellaneous Business Services	75	20.83
Durable Goods Manufacturing	65	18.06
Drugs	65	18.06
All Other Nondurable Goods Manufacturing	65	18.05
o Systems Analysts, Electronic Data Processing	2775	100.00
Office Computing Machinery	925	33.33
Electronic Components And Accessories	680	24.51
All Other Durable Goods Manufacturing	330	11.89
Communication Equipment	160	5.77
Computer And Data Processing Services	105	3.79
All Other Service	105	3.79
Miscellaneous Business Services	85	3.06
Nondurable Goods Manufacturing	70	2.52
All Other Wholesale Trade-durable Goods	65	2.34
Noncommercial Educational, Scientific, Research Organizatns	65	2.34
Life Insurance	60	2.16
o Computer Programmers	2190	100.00
All Other Durable Goods Manufacturing	425	19.41
Office Computing Machinery	380	17.35
Machinery, Equipment And Supplies	265	12.10
Miscellaneous Business Services	265	12.10
Communication Equipment	110	5.02
Engineering, Architectural And Surveying Services	95	4.34
Electronic Components And Accessories	90	4.11
All Other Nondurable Goods Manufacturing	85	3.88
All Other Service	65	2.97
Electrical Goods	60	2.74
All Other Wholesale Trade-nondurable Goods	60	2.74
All Other Educational Services	60	2.74
Periodicals	55	2.51
Transportation And Public Utilities	50	2.28
All Other Wholesale And Retail Trade	50	2.28
Life Insurance	50	2.28
o Psychologists	540	100.00
Elementary And Secondary Schools	200	37.04
Hospitals	160	29.63
All Other Service	110	20.37
Outpatient Care Facilities	70	12.96
o Social Workers, Medical And Non-medical	2285	100.00
Individual And Family Social Services	950	41.57
Hospitals	350	15.32
Elementary And Secodary Schools	260	11.38
Outpatient Care Facilities	230	10.07
Residential Care	190	8.31
Nursing And Personal Care Facilities	90	3.94

**Table B:  
Metro South/West  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Recreation Workers	600	100.00
Hotels, Motels And Tourist Courts	190	31.67
Office Of Physicians	155	25.83
Local Government, Except Education And Hospitals	100	16.67
Nursing And Personal Care Facilities	95	15.83
Individual And Family Social Services	50	8.33
o Lawyers	765	100.00
Legal Services	390	50.98
Insurance Agents, Brokers And Service	180	23.53
Local Government, Except Education And Hospitals	80	10.46
All Other Insurance Carriers	50	6.54
o College And University Faculty	3790	100.00
Colleges, Universities, Professionl Schools, Junior Colleges	3240	85.49
Elementary And Secondary Schools	490	12.93
All Other Health Services	55	1.45
o Teachers, Preschool And Kindergarden	1005	100.00
Child Day Care Services	610	60.70
Elementary And Secondary Schools	335	33.33
All Other Service	60	5.97
o Teachers, Elementary	3740	100.00
Elementary And Secondary Schools	3620	96.79
Child Day Care Services	100	2.67
o Teachers, Secondary School	4800	100.00
Elementary And Secondary Schools	4725	98.44
Schools And Educational Services, Not Elsewhere Classified	75	1.56
o Teachers, Special Education	1300	100.00
Elementary And Secondary Schools	1210	93.08
Schools And Educational Services, Not Elsewhere Classified	90	6.92
o Teachers And Instructors, Vocational Education	630	100.00
Schools And Educational Services, Not Elsewhere Classified	205	32.54
Elementary And Secodary Schools	185	29.36
All Other Service	145	23.02
All Other Social Services	95	15.08
o Instructors, Nonvocational Education	515	100.00
Schools And Educational Services, Not Elsewhere Classified	300	58.25
Elementary And Secodary Schools	120	23.30
Noncommercial Educational, Scientific, Research Organizatns	50	9.71
o Librarians, Professional	900	100.00
Libraries And Information Centers	400	44.44
Elementary And Secodary Schools	205	22.78
Local Government, Except Education And Hospitals	135	15.00
Colleges, Universities, Professionl Schools, Junior Colleges	115	12.78



**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

		Employment	Percent Distribution
o	Vocational And Educational Counselors	535	100.00
	Elementary And Secodary Schools	365	68.22
	All Other Social Services	85	15.89
	All Other Educational Services	60	11.22
o	Teacher Aides, Paraprofessional	1220	100.00
	Elementary And Secondary Schools	1200	98.36
o	Physicians And Surgeons	1080	100.00
	Office Of Physicians	525	48.61
	Hospitals	390	36.11
	All Other Membership Organizations	105	9.72
	Outpatient Care Facilities	55	5.09
o	Dentists	630	100.00
	Office Of Dentists	615	97.62
o	Registered Nurses	5640	100.00
	Hospitals	2980	52.84
	Personnel Supply Services	680	12.06
	Office Of Physicians	475	8.42
	Nursing And Personal Care Facilities	470	8.33
	Elementary And Secodary Schools	360	6.38
	Health And Allied Services, Not Elsewhere Classified	245	4.34
	All Other Service	145	2.57
	Outpatient Care Facilities	90	1.60
	Residential Care	65	1.15
	All Other Social Services	55	0.98
	All Other Educational Services	50	0.89
o	Licensed Practical Nurses	2175	100.00
	Nursing And Personal Care Facilities	605	27.82
	Hospitals	545	25.06
	Personnel Supply Services	360	16.55
	Elementary And Secondary Schools	220	10.11
	Office Of Physicians	170	7.82
	All Other Service	160	7.35
	All Other Health Services	60	2.76
	All Other Social Services	55	2.53
o	Pharmacists	495	100.00
	Drug Stores And Proprietary Stores	365	73.74
	Hospitals	110	22.22
o	Medical And Clinical Laboratory Technologists And Technician	650	100.00
	Hospitals	400	61.54
	Medical And Dental Laboratories	195	30.00
	All Other Service	55	8.46
o	Radiologic Technicians	1445	100.00
	Office Of Physicians	1210	83.74
	Hospitals	190	13.15

**Table B:  
Metro South/West  
Employment in  
Selected Occupations  
by Industry**

		Employment	Percent Distribution
Marketing & Sales Occupations	o Writers And Editors, Including Technical Writers	2050	100.00
	Computer And Data Processing Services	465	22.68
	Office Computing Machinery	440	21.46
	Periodicals	205	10.00
	All Other Printing And Publishing	195	9.51
	All Other Durable Goods Manufacturing	180	8.78
	Miscellaneous Business Services	100	4.88
	Communication Equipment	85	4.15
	Electronic Components And Accessories	65	3.17
	Newspapers	65	3.17
	All Other Service	65	3.17
	All Other Business Services	60	2.93
	Engineering, Architectural And Surveying Services	55	2.68
	o Reporters And Correspondents	500	100.00
	Newspapers	310	62.00
	Periodicals	160	32.00
	o Sales Supervisors And Manager	4725	100.00
	Machinery, Equipment And Supplies	660	13.97
	Office Computing Machinery	475	10.05
	Food Stores	410	8.68
	All Other Durable Goods Manufacturing	200	4.23
	Electrical Goods	200	4.23
	Miscellaneous Shopping Goods Stores	195	4.13
	All Other Wholesale Trade-durable Goods	185	3.92
	Groceries And Related Supplies	185	3.92
	Department Stores	180	3.81
	Women's Ready-to-wear Stores	180	3.81
	Electronic Components And Accessories	175	3.70
	Computer And Data Processing Services	155	3.28
	All Other Wholesale And Retail Trade	135	2.86
	All Other Service	135	2.86
	All Other Finance, Insurance And Real Estate	125	2.65
	All Other Nondurable Goods Manufacturing	105	2.22
	o Insurance Sales Agents And Placers	1200	100.00
	Insurance Agents, Brokers And Service	470	39.17
	Fire, Marine And Casualty Insurance	350	29.17
	Life Insurance	325	27.08
	o Travel Agents	945	100.00
	Arrangement Of Transportation	895	94.71
	o Advertising Sales Agents	675	100.00
	Miscellaneous Business Services	200	29.63
	Periodicals	145	21.48
	Newspapers	135	20.00
	All Other Business Services	75	11.11
	All Other Printing And Publishing	70	10.37
	Transportation And Public Utilities	50	7.41

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Sales Engineers	1310	100.00
Communication Equipment	315	24.05
All Other Durable Goods Manufacturing	280	21.37
Office Computing Machinery	275	20.99
Furniture, Home Furnishings, Equip Stores, Exc Appliances	140	10.69
Electronic Components And Accessories	105	8.02
All Other Machinery, Except Electrical	65	4.96
Electrical Goods	60	4.58
o Sales Reps, Scientific And Related Products And Services	6820	100.00
Machinery, Equipment And Supplies	2995	43.92
Office Computing Machinery	1225	17.96
Electrical Goods	720	10.56
Electronic Components And Accessories	400	5.86
Computer And Data Processing Services	310	4.54
All Other Durable Goods Manufacturing	285	4.18
All Other Wholesale Trade-nondurable Goods	195	2.86
Communication Equipment	130	1.91
General Industrial Machinery	115	1.69
Drugs	110	1.61
All Other Wholesale Trade-durable Goods	110	1.61
o Sales Reps, Exc Scientific And Related Products Or Services	5490	100.00
Machinery, Equipment And Supplies	1205	21.95
Groceries And Related Supplies	755	13.75
All Other Wholesale Trade-nondurable Goods	625	11.38
All Other Wholesale Trade-durable Goods	465	8.47
Electrical Goods	305	5.56
All Other Durable Goods Manufacturing	280	5.10
Motor Vehicles And Automotive Parts And Supplies	210	3.83
Office Computing Machinery	195	3.55
All Other Service	185	3.37
Hardware, And Plumbing And Heating Equipment And Supplies	170	3.10
Apparel, Piece Goods And Notions	130	2.37
All Other Nondurable Goods Manufacturing	120	2.19
Lumber And Other Construction Materials	120	2.19
Periodicals	115	2.10
All Other Special Trade Constructors	75	1.37
Plumbing, Heating (except Electric), Air Conditioning	70	1.27
Masonry, Stonework, Tile Setting And Plastering	65	1.18
All Other Paper And Allied Products	65	1.18
All Other Business Services	65	1.18
Dairy Products	60	1.09
Primary Metal Industries	55	1.00
o Salespersons, Retail Trade	16670	100.00
Department Stores	3650	21.89
Miscellaneous Shopping Goods Stores	2215	13.28
Women's Ready-to-wear Stores	1420	8.52
Family Clothing Stores	1115	6.69
Motor Vehicle Dealers (new And Used)	980	5.88
Drug Stores And Proprietary Stores	665	3.99
All Other Apparel And Accessory Stores	640	3.84
All Other Wholesale And Retail Trade	640	3.84
Food Stores	635	3.81
Retail Stores, Not Elsewhere Classified	630	3.78
All Other Food Stores	620	3.72
Radio, Television And Music Stores	535	3.21

**Table B:  
Metro South/West  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
Furniture, Home Furnishings, Equip Stores, Exc Appliances	490	2.94
Groceries And Related Supplies	365	2.19
Shoe Stores	290	1.74
Machinery, Equipment And Supplies	285	1.71
All Other Building Materials And Garden Supplies	230	1.38
Lumber And Other Building Materials Dealers	210	1.26
All Other Wholesale Trade-durable Goods	195	1.17
Liquoe Stores	180	1.08
Electrical Goods	170	1.02
o Salespersons, Parts	985	100.00
Motor Vehicle Dealers (new And Used)	270	27.41
Motor Vehicles And Automotive Parts And Supplies	250	25.38
Machinery, Equipment And Supplies	205	20.81
All Other Wholesale And Retail Trade	110	11.17
Family Clothing Stores	70	7.11
Electrical Goods	60	6.09
o Counter And Rental Clerks	645	100.00
Miscellaneous Business Services	365	56.59
Food Stores	105	16.28
All Other Service	100	15.50
All Other Wholesale And Retail Trade	75	11.63
o Stock Clerks, Sales Floor	6175	100.00
Food Stores	2865	46.40
Family Clothing Stores	610	9.88
Liquor Stores	465	7.53
Drug Stores And Proprietary Stores	430	6.96
Department Stores	360	5.83
Miscellaneous Shopping Goods Stores	230	3.73
Lumber And Other Building Materials Dealers	140	2.27
All Other Building Materials And Garden Supplies	130	2.10
All Other Wholesale And Retail Trade	125	2.02
Groceries And Related Supplies	120	1.94
All Other Food Stores	110	1.78
Eating And Drinking Places	110	1.78
Electrical Goods	95	1.54
Furniture, Home Furnishings, Equip Stores, Exc Appliances	90	1.46
Women's Ready-to-wear Stores	80	1.30
Retail Stores, Not Elsewhere Classified	80	1.30
All Other Wholesale Trade-nondurable Goods	75	1.21
o Cashiers	10750	100.00
Food Stores	3910	36.37
Eating And Drinking Places	1630	15.16
Drug Stores And Proprietary Stores	915	8.51
Department Stores	605	5.63
Family Clothing Stores	485	4.51
Miscellaneous Shopping Goods Stores	420	3.91
All Other Wholesale And Retail Trade	345	3.21
All Other Food Stores	335	3.12
State Government, Except Education And Hospitals	335	3.12
Liquoe Stores	305	2.84
Miscellaneous Amusement And Recreation Services	260	2.42
Gasoline Service Stations	255	2.37



**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

**Clerical & Administrative**  
**Support Occupations**

	Employment	Percent Distribution
o First Line Supervisors - Clerical And Administrative Clerks	6190	100.00
All Other Transportation And Public Utilities	725	11.71
Miscellaneous Business Services	450	7.27
Office Computing Machinery	335	5.41
All Other Durable Goods Manufacturing	310	5.01
Machinery, Equipment And Supplies	305	4.93
Fire, Marine And Casualty Insurance	225	3.64
All Other Wholesale And Retail Trade	195	3.15
Hospitals	195	3.15
All Other Service	190	3.07
Electrical Goods	185	2.99
Office Of Physicians	180	2.91
Commercial And Stock Savings Banks	175	2.83
All Other Wholesale Trade-nondurable Goods	170	2.75
Motor Vehicle Dealers (new And Used)	160	2.58
All Other Nondurable Goods Manufacturing	140	2.26
Eating And Drinking Places	135	2.18
Arrangement Of Transportation	130	2.10
All Other Wholesale Trade-durable Goods	120	1.94
All Other Printing And Publishing	115	1.86
Insurance Agents, Brokers And Service	110	1.78
Local Government, Except Education And Hospitals	105	1.70
o Tellers	2480	100.00
Commercial And Stock Savings Banks	1235	49.80
Personal Credit Institutions	525	21.17
Mutual Savings Banks	435	17.54
Savings And Loan Associations	265	10.68
o New Accounts Clerks	475	100.00
Commercial And Stock Savings Banks	320	67.37
All Other Credit Agencies Other Than Banks	85	17.89
Mutual Savings Banks	70	14.74
o Adjustment Clerks	1510	100.00
Department Stores	230	15.23
Machinery, Equipment And Supplies	155	10.27
All Other Nondurable Goods Manufacturing	130	8.61
All Other Durable Goods Manufacturing	115	7.62
Office Computing Machinery	110	7.29
Computer And Data Processing Services	105	6.95
All Other Wholesale And Retail Trade	100	6.62
Finance, Insurance And Real Estate	90	5.96
All Other Transportation And Public Utilities	75	4.97
o Adjusters, Examiners, Investigators	920	100.00
Insurance Agents, Brokers And Service	505	54.89
Fire, Marine And Casualty Insurance	365	39.67

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Insurance Claims Clerks	485	100.00
Fire, Marine And Casualty Insurance	320	65.98
All Other Finance, Insurance And Real Estate	125	25.77
o Insurance Policy Processing Clerks	1015	100.00
Insurance Agents, Brokers And Service	685	67.49
Fire, Marine And Casualty Insurance	210	20.69
o Bill And Account Collectors	700	100.00
Miscellaneous Business Services	285	40.71
All Other Business Services	125	17.86
Wholesale And Retail Trade	90	12.86
All Other Finance, Insurance And Real Estate	80	11.43
All Other Credit Agencies Other Than Banks	70	10.00
o Hotel Desk Clerks	445	100.00
Hotels, Motels And Tourist Courts	445	100.00
o Library Assistants And Bookmobile Drivers	495	100.00
Libraries And Information Centers	280	56.57
Local Government, Except Education And Hospitals	120	24.24
All Other Educational Services	70	14.14
o Teacher Aides And Education Assistants	645	100.00
Elementary And Secondary Schools	265	41.09
Child Day Care Services	245	37.98
Colleges, Universities, Professional Schools, Junior Colleges	80	12.40
o Legal Secretaries	630	100.00
Legal Services	480	76.19
Insurance Agents, Brokers And Service	145	23.02
o Medical Secretaries	1125	100.00
Office Of Physicians	610	54.22
Office Of Dentists	330	29.33
Hospitals	120	10.67
All Other Health Services	65	5.78
o Secretaries	15265	100.00
All Other Durable Goods Manufacturing	1325	8.68
Office Computing Machinery	1250	8.19
Machinery, Equipment And Supplies	960	6.29
Elementary And Secondary Schools	810	5.31
Electronic Components And Accessories	740	4.85
Colleges, Universities, Professional Schools, Junior Colleges	690	4.52
Miscellaneous Business Services	580	3.80
Personnel Supply Services	520	3.41
Local Government, Except Education And Hospitals	445	2.92
Communication Equipment	430	2.82
Hospitals	420	2.75
Engineering, Architectural And Surveying Services	400	2.62
Insurance Agents, Brokers And Service	395	2.59

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
Electrical Goods	330	2.16
All Other Finance, Insurance And Real Estate	290	1.90
Computer And Data Processing Services	260	1.70
All Other Service	260	1.70
Hotels, Motels And Tourist Courts	255	1.67
Real Estate Agents And Managers	245	1.61
All Other Wholesale Trade-durable Goods	220	1.44
Individual And Family Social Services	205	1.34
Noncommercial Educational, Scientific, Research Organizatns	195	1.28
Accounting, Auditing And Bookkeeping Services	185	1.21
All Other Wholesale Trade-nondurable Goods	165	1.08
All Other Printing And Publishing	160	1.05
o Receptionists And Information Clerks	2720	100.00
Office Of Physicians	230	8.46
All Other Service	190	6.99
Personnel Supply Services	160	5.88
Office Of Dentists	160	5.88
All Other Durable Goods Manufacturing	140	5.15
Noncommercial Educational, Scientific, Research Organizatns	140	5.15
Machinery, Equipment And Supplies	130	4.78
All Other Wholesale Trade-durable Goods	110	4.04
All Other Finance, Insurance And Real Estate	110	4.04
Hospitals	110	4.04
Real Estate Agents And Managers	105	3.86
All Other Health Services	95	3.49
All Other Wholesale And Retail Trade	90	3.31
Beauty Shops	90	3.31
Individual And Family Social Services	90	3.31
Office Computing Machinery	85	3.12
Miscellaneous Amusement And Recreation Services	80	2.94
All Other Educational Services	80	2.94
All Other Credit Agencies Other Than Banks	75	2.76
o Typists And Word Processors	3005	100.00
Personnel Supply Services	345	11.48
All Other Durable Goods Manufacturing	335	11.15
Machinery, Equipment And Supplies	310	10.32
Individual And Family Social Services	200	6.66
Engineering, Architectural And Surveying Services	195	6.49
Elementary And Secodary Schools	175	5.82
All Other Finance, Insurance And Real Estate	150	4.99
Hospitals	130	4.33
All Other Service	100	3.33
All Other Printing And Publishing	95	3.16
Local Government, Except Education And Hospitals	90	3.00
Office Computing Machinery	85	2.83
All Other Health Services	85	2.83
All Other Wholesale And Retail Trade	80	2.66
Insurance Agents, Brokers And Service	70	2.33
Colleges, Universities, Professionl Schools, Junior Colleges	70	2.33
Communication Equipment	65	2.16
Periodicals	65	2.16
Miscellaneous Business Services	65	2.16
All Other Miscellaneous Services	65	2.16

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Personnel Clerks, Except Payroll And Timekeeping	455	100.00
Service	105	23.08
All Other Durable Goods Manufacturing	65	14.28
Office Computing Machinery	55	12.09
All Other Wholesale And Retail Trade	55	12.09
All Other Electrical And Electronic Equipment	50	10.99
Department Stores	50	10.99
o Order Clerks - Materials, Merchandise And Service	1770	100.00
Machinery, Equipment And Supplies	450	25.42
All Other Wholesale And Retail Trade	155	8.76
All Other Durable Goods Manufacturing	140	7.91
Electrical Goods	130	7.35
Nondurable Goods Manufacturing	105	5.93
Office Computing Machinery	100	5.65
All Other Wholesale Trade-durable Goods	95	5.37
Department Stores	95	5.37
General Industrial Machinery	75	4.24
All Other Electrical And Electronic Equipment	75	4.24
Arrangement Of Transportation	70	3.95
All Other Wholesale Trade-nondurable Goods	70	3.95
All Other Business Services	70	3.95
Groceries And Related Supplies	55	3.11
o Bookkeeping, Accounting, Auditing Clerks	9510	100.00
Personnel Supply Services	780	8.20
Machinery, Equipment And Supplies	615	6.47
All Other Durable Goods Manufacturing	425	4.47
Local Government, Except Education And Hospitals	310	3.26
All Other Service	285	3.00
Office Computing Machinery	270	2.84
Department Stores	265	2.79
Eating And Drinking Places	230	2.42
Miscellaneous Shopping Goods Stores	220	2.31
Miscellaneous Business Services	205	2.16
Communication Equipment	175	1.84
Motor Vehicle Dealers (new And Used)	175	1.84
Electronic Components And Accessories	160	1.68
All Other Special Trade Constructors	150	1.58
All Other Wholesale And Retail Trade	150	1.58
All Other Transportation And Public Utilities	145	1.52
Food Stores	140	1.47
Shoe Stores	140	1.47
Drug Stores And Proprietary Stores	140	1.47
All Other Finance, Insurance And Real Estate	140	1.47
All Other Wholesale Trade-durable Goods	135	1.42
General Building Contractors - Residential Buildings	130	1.37
Arrangement Of Transportation	130	1.37
Electrical Goods	130	1.37
Individual And Family Social Services	130	1.37
All Other Machinery, Except Electrical	125	1.31
Trucking, Local And Long Distance	125	1.31
Miscellaneous Special Trade Constructors	120	1.26
Hotels, Motels And Tourist Courts	120	1.26
Furniture, Home Furnishings, Equip Stores, Exc Appliances	115	1.21
All Other Printing And Publishing	110	1.16
All Other Wholesale Trade-nondurable Goods	110	1.16
Computer And Data Processing Services	105	1.10



**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
All Other Nondurable Goods Manufacturing	100	1.05
Groceries And Related Supplies	100	1.05
Gasoline Service Stations	100	1.05
o Payroll And Timekeeping Clerks	655	100.00
All Other Durable Goods Manufacturing	115	17.56
Wholesale And Retail Trade	100	15.27
All Other Health Services	90	13.74
All Other Service	90	13.74
Nondurable Goods Manufacturing	55	8.40
All Other Educational Services	55	8.40
All Other Electrical And Electronic Equipment	50	7.63
o Billing, Cost And Rate Clerks	1720	100.00
Machinery, Equipment And Supplies	205	11.92
Office Of Physicians	185	10.76
Durable Goods Manufacturing	170	9.88
Hospitals	145	8.43
All Other Wholesale Trade-nondurable Goods	125	7.27
All Other Wholesale Trade-durable Goods	105	6.10
Motor Vehicle Dealers (new And Used)	100	5.81
All Other Business Services	95	5.52
All Other Service	95	5.52
All Other Wholesale And Retail Trade	80	4.65
All Other Miscellaneous Services	80	4.65
Trucking, Local And Long Distance	60	3.49
All Other Transportation And Public Utilities	55	3.20
All Other Miscellaneous Retail Stores	55	3.20
Medical And Dental Laboratories	55	3.20
o General Office Clerk	9320	100.00
Local Government, Except Education And Hospitals	530	5.69
All Other Transportation And Public Utilities	460	4.94
Fire, Marine And Casualty Insurance	430	4.61
Computer And Data Processing Services	415	4.45
Hospitals	395	4.24
Machinery, Equipment And Supplies	380	4.08
Miscellaneous Nondurable Goods	355	3.81
All Other Durable Goods Manufacturing	350	3.75
All Other Service	310	3.33
Colleges, Universities, Professionl Schools, Junior Colleges	275	2.95
Electrical Goods	235	2.52
Groceries And Related Supplies	235	2.52
Motor Vehicle Dealers (new And Used)	230	2.47
Insurance Agents, Brokers And Service	215	2.31
Furniture, Home Furnishings, Equip Stores, Exc Appliances	205	2.20
General Building Contractors - Residential Buildings	200	2.15
Communication Equipment	185	1.99
Newspapers	180	1.93
All Other Wholesale And Retail Trade	170	1.82
Trucking, Local And Long Distance	155	1.66
Motor Vehicles And Automotive Parts And Supplies	155	1.66
Elementary And Secodary Schools	155	1.66
All Other Wholesale Trade-durable Goods	150	1.61
All Other Wholesale Trade-nondurable Goods	150	1.61
Life Insurance	150	1.61
Miscellaneous Business Services	150	1.61
All Other Special Trade Constructors	135	1.45
All Other Nondurable Goods Manufacturing	135	1.45

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Billing, Posting And Calculating Machine Operators	565	100.00
Office Of Physicians	160	28.32
All Other Service	95	16.81
All Other Wholesale Trade-durable Goods	85	15.04
All Other Wholesale Trade-nondurable Goods	65	11.50
o Computer Operators, Except Peripheral Equipment	2125	100.00
Computer And Data Processing Services	620	29.18
State Government, Except Education And Hospitals	295	13.88
Office Computing Machinery	190	8.94
All Other Durable Goods Manufacturing	175	8.24
Electronic Components And Accessories	115	5.41
Communication Equipment	95	4.47
Finance, Insurance And Real Estate	90	4.24
All Other Wholesale Trade-nondurable Goods	85	4.00
All Other Service	80	3.77
Local Government, Except Education And Hospitals	70	3.29
All Other Wholesale Trade-durable Goods	65	3.06
All Other Educational Services	60	2.82
Nondurable Goods Manufacturing	55	2.59
o Data Entry Keyers, Except Composing	1475	100.00
All Other Durable Goods Manufacturing	165	11.19
Machinery, Equipment And Supplies	135	9.15
Finance, Insurance And Real Estate	115	7.80
Office Computing Machinery	95	6.44
All Other Wholesale Trade-durable Goods	95	6.44
Nondurable Goods Manufacturing	85	5.76
Department Stores	85	5.76
All Other Miscellaneous Services	80	5.42
All Other Health Services	70	4.75
Noncommercial Educational, Scientific, Research Organizatns	70	4.74
All Other Service	70	4.74
Communication Equipment	65	4.41
Transportation And Public Utilities	65	4.41
All Other Wholesale Trade-nondurable Goods	65	4.41
o Switchboard Operator	1160	100.00
Hospitals	165	14.23
All Other Service	155	13.36
All Other Wholesale And Retail Trade	140	12.07
All Other Educational Services	120	10.35
Finance, Insurance And Real Estate	110	9.48
All Other Durable Goods Manufacturing	100	8.62
Department Stores	95	8.19
o Production, Planning, Expediting Clerks	1875	100.00
Office Computing Machinery	495	26.40
All Other Durable Goods Manufacturing	470	25.07
Communication Equipment	305	16.27
Electronic Components And Accessories	185	9.87
Transportation And Public Utilities	145	7.73
All Other Printing And Publishing	95	5.07
All Other Machinery, Except Electrical	65	3.73
All Other Nondurable Goods Manufacturing	65	3.47

**Table B:  
Metro South/West  
Employment in  
Selected Occupations  
by Industry**

		Employment	Percent Distribution
	o Stock Clerks - Stockroom, Warehouse And Storage Yard	3970	100.00
	All Other Durable Goods Manufacturing	410	10.33
	Machinery, Equipment And Supplies	350	8.82
	Personnel Supply Services	290	7.31
	All Other Service	220	5.54
	Office Computing Machinery	205	5.16
	Communication Equipment	195	4.91
	All Other Wholesale Trade-durable Goods	180	4.53
	Department Stores	175	4.41
	All Other Wholesale And Retail Trade	160	4.03
	Food Stores	155	3.90
	Motor Vehicles And Automotive Parts And Supplies	135	3.40
	Nondurable Goods Manufacturing	125	3.15
	Transportation And Public Utilities	105	2.65
	All Other Miscellaneous Retail Stores	105	2.65
	Computer And Data Processing Services	105	2.65
	Lumber And Other Building Materials Dealers	100	2.52
	Electrical Goods	95	2.39
	Electronic Components And Accessories	90	2.27
	o Order Fillers, Wholesale And Retail Sales	1415	100.00
	Machinery, Equipment And Supplies	385	27.21
	All Other Wholesale Trade-nondurable Goods	225	15.90
	All Other Wholesale Trade-durable Goods	175	12.37
	Miscellaneous Nondurable Goods	165	11.66
	Groceries And Related Supplies	160	11.31
	All Other Wholesale And Retail Trade	70	4.95
	Hardware, And Plumbing And Heating Equipment And Supplies	60	4.24
	Department Stores	60	4.24
	Nonstore Retailers	60	4.24
	o Traffic, Shipping And Receiving Clerks	3315	100.00
	Miscellaneous Nondurable Goods	445	13.42
	All Other Durable Goods Manufacturing	370	11.16
	Machinery, Equipment And Supplies	335	10.11
	Office Computing Machinery	205	6.18
	All Other Wholesale Trade-nondurable Goods	155	4.68
	Department Stores	135	4.07
	All Other Nondurable Goods Manufacturing	105	3.17
	Computer And Data Processing Services	105	3.17
	All Other Machinery, Except Electrical	100	3.02
	All Other Wholesale Trade-durable Goods	100	3.02
	All Other Food And Kindred Products	95	2.87
	Communication Equipment	90	2.72
	Electronic Components And Accessories	90	2.71
	Electrical Goods	85	2.56
	Apparel, Piece Goods And Notions	85	2.56
	All Other Fabricated Metal Products	80	2.41
	Hardware, And Plumbing And Heating Equipment And Supplies	75	2.26
	All Other Business Services	75	2.26
	All Other Paper And Allied Products	65	1.96
Service Occupations	o Fire Fighters	785	100.00
	Local Government, Except Education And Hospitals	785	100.00
	o Police Detectives And Investigators	735	100.00
	Local Government, Except Education And Hospitals	735	100.00

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Guards And Watch Guards	5565	100.00
Miscellaneous Business Services	4000	71.88
All Other Durable Goods Manufacturing	250	4.49
Colleges, Universities, Professional Schools, Junior Colleges	155	2.78
Communication Equipment	125	2.24
All Other Service	120	2.15
Hospitals	110	1.98
Real Estate Agents And Managers	105	1.89
Eating And Drinking Places	95	1.70
Hotels, Motels And Tourist Courts	90	1.62
Office Computing Machinery	80	1.44
Electronic Components And Accessories	80	1.44
Department Stores	70	1.26
State Government, Except Education And Hospitals	65	1.17
o Hosts And Hostesses	885	100.00
Eating And Drinking Places	805	90.96
Service	80	9.04
o Bartenders	1900	100.00
Eating And Drinking Places	1500	78.95
Hotels, Motels And Tourist Courts	210	11.05
Miscellaneous Amusement And Recreation Services	160	8.42
o Waiters And Waitresses	8595	100.00
Eating And Drinking Places	6585	76.61
Civic, Social, And Fraternal Associations	675	7.85
Miscellaneous Amusement And Recreation Services	480	5.58
Hotels, Motels And Tourist Courts	410	4.77
Hospitals	200	2.33
All Other Wholesale And Retail Trade	120	1.40
Nursing And Personal Care Facilities	120	1.40
o Dining Room, Counter And Cafe Attendants	2130	100.00
Eating And Drinking Places	1255	58.92
Food Stores	230	10.80
Elementary And Secodary Schools	175	8.22
Motion Pictures	120	5.63
All Other Food Stores	110	5.16
Nonstore Retailers	100	4.70
All Other Educational Services	75	3.52
o Butchers And Meat Cutters	575	100.00
Food Stores	350	60.87
All Other Food Stores	105	18.26
Groceries And Related Supplies	75	13.04
o Cooks, Restaurant	2070	100.00
Eating And Drinking Places	1660	80.19
Hotels, Motels And Tourist Courts	235	11.35
Miscellaneous Amusement And Recreation Services	100	4.83
Civic, Social, And Fraternal Associations	55	2.66



**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Cooks, Institution Or Cafe	975	100.00
Elementary And Secondary Schools	310	31.80
Nursing And Personal Care Facilities	190	19.49
Hospitals	100	10.26
Nonstore Retailers	60	6.15
Colleges, Universities, Professionl Schools, Junior Colleges	60	6.15
State Government, Except Education And Hospitals	60	6.15
Child Day Care Services	55	5.64
All Other Service	55	5.64
All Other Wholesale And Retail Trade	50	5.13
o Cooks, Speciality Fast Food And Fast Food	1660	100.00
Eating And Drinking Places	1555	93.68
Service	60	3.61
o Food Preparation Workers	3755	100.00
Eating And Drinking Places	1765	47.00
Nursing And Personal Care Facilities	555	14.78
Elementary And Secodary Schools	515	13.72
Hotels, Motels And Tourist Courts	270	7.19
Hospitals	175	4.66
Miscellaneous Amusement And Recreation Services	80	2.13
Food Stores	75	2.00
All Other Service	75	2.00
Nonstore Retailers	70	1.86
Residential Care	65	1.73
o Dental Assistants	695	100.00
Office Of Dentists	685	98.56
o Nurse Aides, Orderlies And Attendants	6870	100.00
Nursing And Personal Care Facilities	2505	36.46
Personnel Supply Services	1440	20.96
Elementary And Secondary Schools	1095	15.94
Hospitals	840	12.23
All Other Service	575	8.37
Residential Care	265	3.86
Outpatient Care Facilities	90	1.31
o Home Health Aides	1585	100.00
Personnel Supply Services	855	53.94
Health And Allied Services, Not Elsewhere Classified	445	28.08
Indivual And Family Social Services	180	11.36
Nursing And Personal Care Facilities	75	4.73
o Psychiatric Aides	790	100.00
Hospitals	760	96.20
o Janitors And Cleaners	8280	100.00
Services To Dwellings And Other Buildings	2935	35.45
Elementary And Secodary Schools	1285	15.52
All Other Durable Goods Manufacturing	515	6.22
Colleges, Universities, Professionl Schools, Junior Colleges	475	5.74

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

		Employment	Percent Distribution
	Real Estate Operators (except Developers) And Lessors	385	4.65
	Nursing And Personal Care Facilities	215	2.60
	All Other Service	205	2.48
	Real Estate Agents And Managers	200	2.42
	Hospitals	185	2.23
	Food Stores	155	1.87
	Department Stores	145	1.75
	Eating And Drinking Places	140	1.69
	Communication Equipment	135	1.63
	All Other Wholesale And Retail Trade	125	1.51
	All Other Finance, Insurance And Real Estate	115	1.39
	Computer And Data Processing Services	100	1.21
o	Cosmetologists And Related	1905	100.00
	Beauty Shops	1720	90.29
	Department Stores	100	5.25
	Miscellaneous Personal Services	60	3.15
o	Social Welfare Service Aides	780	100.00
	Individual And Family Social Services	370	47.44
	Health And Allied Services, Not Elsewhere Classified	210	26.92
	Residential Care	160	20.51
o	Gardners And Groundskeepers, Except Farm	980	100.00
	All Other Service	185	18.88
	Miscellaneous Amusement And Recreation Services	180	18.37
	Real Estate Agents And Managers	155	15.82
	Real Estate Operators (except Developers) And Lessors	140	14.29
	Colleges, Universities, Professional Schools, Junior Colleges	135	13.77
	All Other Finance, Insurance And Real Estate	100	10.20
<b>Prod., Construction &amp; Machining Occupations</b>	o First Line Supervisors - Mechanics And Repairers	1690	100.00
	Motor Vehicle Dealers (new And Used)	260	15.39
	Office Computing Machinery	250	14.79
	All Other Wholesale Trade-durable Goods	180	10.65
	All Other Transportation And Public Utilities	125	7.40
	All Other Wholesale And Retail Trade	105	6.21
	All Other Durable Goods Manufacturing	100	5.92
	Local Government, Except Education And Hospitals	95	5.62
	Machinery, Equipment And Supplies	80	4.73
	All Other Service	80	4.73
	Nondurable Goods Manufacturing	75	4.44
	Gasoline Service Stations	75	4.44
o	First Line Supervisors - Constuction And Related	1510	100.00
	General Building Contractors - Residential Buildings	420	27.82
	Electrical Work	245	16.23
	Plumbing, Heating (except Electric), Air Conditioning	175	11.59
	All Other Construction	155	10.27
	General Building Contractors - Nonresidential Buildings	150	9.93
	Heavy Construction, Exc Highway And Street Construction	125	8.28
	All Other Special Trade Constructors	110	7.29

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o First Line Supervisors - Production And Related	2615	100.00
All Other Durable Goods Manufacturing	595	22.75
Office Computing Machinery	355	13.58
Communication Equipment	355	13.58
Electronic Components And Accessories	220	8.41
All Other Fabricated Metal Products	185	7.08
All Other Machinery, Except Electrical	145	5.54
All Other Nondurable Goods Manufacturing	130	4.97
All Other Chemicals And Allied Products	95	3.63
All Other Electrical And Electronic Equipment	80	3.06
Primary Metal Industries	75	2.87
All Other Food And Kindred Products	70	2.68
Textile Mill Prouducts	70	2.68
Miscellaneous Plastics Products	70	2.68
o Blue Collar Worker Supervisors	545	100.00
All Other Service	95	17.43
Durable Goods Manufacturing	90	16.51
Finance, Insurance And Real Estate	70	12.84
All Other Wholesale Trade-durable Goods	60	11.01
All Other Business Services	55	10.09
All Other Wholesale And Retail Trade	50	9.17
Computer And Data Processing Services	50	9.18
o Precision And Production Inspectors	4255	100.00
All Other Durable Goods Manufacturing	1185	27.85
Communication Equipment	1155	27.15
Office Computing Machinery	855	20.09
Electronic Components And Accessories	285	6.70
All Other Nondurable Goods Manufacturing	185	4.35
All Other Machinery, Except Electrical	120	2.82
Radio And Tv Receiving Equipment	105	2.47
All Other Fabricated Metal Products	95	2.23
Wholesale And Retail Trade	85	2.00
Miscellaneous Machinery Except Electrical	50	1.18
Miscellaneous Electrical Equipment And Supplies	50	1.17
All Other Food And Kindred Products	50	1.17
o Machinery Maintenance Mechanics	780	100.00
All Other Durable Goods Manufacturing	175	22.44
All Other Electrical And Electronic Equipment	135	17.31
All Other Food And Kindred Products	130	16.67
Primary Metal Industries	60	7.69
All Other Machinery, Except Electrical	60	7.69
All Other Fabricated Metal Products	55	7.05
o Maintenance Repairers, General Utility	4620	100.00
Local Government, Except Education And Hospitals	1045	22.62
Real Estate Agents And Managers	535	11.58
Elementary And Secodary Schools	260	5.63
All Other Nondurable Goods Manufacturing	225	4.87
All Other Durable Goods Manufacturing	205	4.44
Services To Dwellings And Other Buildings	190	4.11
Hotels, Motels And Tourist Courts	175	3.79
All Other Service	170	3.68
All Other Wholesale And Retail Trade	150	3.25
State Government, Except Education And Hospitals	150	3.25

**Table B:  
Metro South/West  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
Miscellaneous Business Services	145	3.14
All Other Construction	130	2.81
Machinery, Equipment And Supplies	115	2.49
o Automotive Mechanics	2290	100.00
Motor Vehicle Dealers (new And Used)	960	41.92
Gasoline Service Stations	390	17.03
All Other Wholesale And Retail Trade	200	8.73
Automotive Repair Shops	175	7.64
Machinery, Equipment And Supplies	125	5.46
Transportation And Public Utilities	100	4.37
Department Stores	95	4.15
o Automotive Body And Related Repairers	995	100.00
Automotive Repair Shops	615	61.81
Motor Vehicle Dealers (new And Used)	300	30.15
All Other Wholesale And Retail Trade	65	6.53
o Bus And Truck Mechanics And Diesel Mechanics	685	100.00
Trucking, Local And Long Distance	225	32.84
Machinery, Equipment And Supplies	115	16.79
All Other Transportation And Public Utilities	85	12.41
All Other Wholesale Trade-durable Goods	60	8.76
All Other Automotive Dealers & Service Stations	50	7.30
o Data Processing Equipment Repairers	1220	100.00
Machinery, Equipment And Supplies	1090	89.34
Office Computing Machinery	115	9.43
o Heating, Air Conditioning, Refrigeration Mechs, Installers	970	100.00
Fuel And Ice Dealers	265	27.32
Service	230	23.71
Plumbing, Heating (except Electric), Air Conditioning	155	15.98
All Other Wholesale And Retail Trade	145	14.95
Durable Goods Manufacturing	65	6.70
Hardware, And Plumbing And Heating Equipment And Supplies	65	6.70
o Carpenters	2475	100.00
General Building Contractors - Residential Buildings	905	36.57
General Building Contractors - Nonresidential Buildings	660	26.67
Durable Goods Manufacturing	225	9.09
Masonry, Stonework, Tile Setting And Plastering	170	6.87
Carpentering And Flooring	150	6.06
o Drywall Installers And Tapers	785	100.00
Masonry, Stonework, Tile Setting And Plastering	490	62.42
All Other Special Trade Constructors	180	22.93
General Building Contractors - Residential Buildings	115	14.65
o Electricians	1820	100.00
Electrical Work	1225	67.31
All Other Durable Goods Manufacturing	240	13.19
General Building Contractors - Residential Buildings	105	5.77
Service	85	4.67



**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Brick Masons And Stone Masons	530	100.00
General Building Contractors - Residential Buildings	220	41.51
Masonry, Stonework, Tile Setting And Plastering	195	36.79
General Building Contractors - Nonresidential Buildings	60	11.32
All Other Special Trade Constructors	55	10.38
o Painters, Paperhangers, Construction And Maintenance	1045	100.00
All Other Special Trade Constructors	440	42.11
Local Government, Except Education And Hospitals	180	17.22
General Building Contractors - Residential Buildings	170	16.27
Durable Goods Manufacturing	65	6.22
All Other Educational Services	55	5.26
All Other Health Services	50	4.78
o Plumbers, Pipefitters And Steamfitters	1955	100.00
Plumbing, Heating (except Electric), Air Conditioning	1495	76.47
Miscellaneous Special Trade Contractors	160	8.18
Service	85	4.35
General Building Contractors - Residential Buildings	75	3.84
Durable Goods Manufacturing	75	3.84
o Tool And Die Makers	430	100.00
All Other Durable Goods Manufacturing	200	46.51
All Other Machinery, Except Electrical	125	29.07
Communication Equipment	85	19.77
o Machinists	2265	100.00
All Other Durable Goods Manufacturing	640	28.26
Miscellaneous Machinery Except Electrical	380	16.78
All Other Machinery, Except Electrical	265	11.70
Automotive Repair Shops	160	7.06
Primary Metal Industries	155	6.84
General Industrial Machinery	120	5.30
Communication Equipment	110	4.86
Electronic Components And Accessories	105	4.64
All Other Wholesale Trade-durable Goods	95	4.19
Nondurable Goods Manufacturing	80	3.53
All Other Fabricated Metal Products	75	3.31
Miscellaneous Fabricated Metal Products	60	2.65
o Sheet Metal Workers	670	100.00
All Other Durable Goods Manufacturing	160	23.88
Fabricated Structural Metal Products	155	23.13
All Other Machinery, Except Electrical	115	17.17
Plumbing, Heating (except Electric), Air Conditioning	90	13.43
Communication Equipment	80	11.94
All Other Special Trade Constructors	50	7.46
o Machine Tool Cutting Operators	740	100.00
All Other Durable Goods Manufacturing	375	50.68
Electronic Components And Accessories	110	14.87
All Other Fabricated Metal Products	100	13.51
All Other Machinery, Except Electrical	100	13.51
All Other Electrical And Electronic Equipment	55	7.43

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Sheetmetal Machine Operator	585	100.00
Primary Metal Industries	120	20.51
All Other Durable Goods Manufacturing	120	20.51
All Other Fabricated Metal Products	90	15.39
All Other Machinery, Except Electrical	85	14.53
Miscellaneous Machinery Except Electrical	65	11.11
All Other Electrical And Electronic Equipment	55	9.40
o Laundry And Drycleaning Machine Operators	535	100.00
Nursing And Personal Care Facilities	210	39.25
Laundry, Cleaning And Garment Services	175	32.71
Hospitals	115	21.50
o Paper Goods Machine Setters And Set-up Operators	425	100.00
Miscellaneous Converted Paper Products	335	78.82
All Other Paper And Allied Products	90	21.18
o Packaging And Filling Machine Operators	825	100.00
All Other Food And Kindred Products	170	20.61
Dairy Products	150	18.18
Durable Goods Manufacturing	110	13.33
All Other Nondurable Goods Manufacturing	110	13.33
Miscellaneous Converted Paper Products	90	10.91
Miscellaneous Chemical Products	75	9.09
Drugs	60	7.27
o Electromechanical Equipment Assemblers - Prec	1365	100.00
All Other Durable Goods Manufacturing	790	57.87
Electronic Components And Accessories	275	20.15
Communication Equipment	165	12.09
Office Computing Machinery	85	6.23
All Other Electrical And Electronic Equipment	50	3.66
o Electrical And Electronic Equipment Assembler	2520	100.00
Communication Equipment	680	26.98
All Other Durable Goods Manufacturing	485	19.25
Office Computing Machinery	455	18.06
Radio And Tv Receiving Equipment	360	14.28
Electronic Components And Accessories	310	12.30
Miscellaneous Electrical Equipment And Supplies	230	9.13
o Electrical And Electronic Assemblers	1865	100.00
All Other Durable Goods Manufacturing	845	45.31
Communication Equipment	405	21.72
Office Computing Machinery	385	20.64
Electronic Components And Accessories	115	6.17
All Other Electrical And Electronic Equipment	115	6.16
o Welders And Cutters	860	100.00
All Other Durable Goods Manufacturing	335	38.95
All Other Machinery, Except Electrical	120	13.95
Miscellaneous Special Trade Contractors	85	9.88
All Other Electrical And Electronic Equipment	75	8.72
All Other Wholesale Trade-durable Goods	70	8.14
All Other Fabricated Metal Products	60	6.98

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

		Employment	Percent Distribution
o	Assemblers, Fabricators - Exc Mach, Electrc, Electrc, Prec	4670	100.00
	All Other Durable Goods Manufacturing	2845	60.92
	All Other Fabricated Metal Products	325	6.96
	All Other Electrical And Electronic Equipment	205	4.39
	Miscellaneous Plastics Products	165	3.53
	Electronic Components And Accessories	150	3.21
	All Other Nondurable Goods Manufacturing	115	2.46
	Machinery, Equipment And Supplies	110	2.36
	All Other Paper And Allied Products	100	2.14
	General Industrial Machinery	80	1.71
	All Other Machinery, Except Electrical	80	1.71
	Fabricated Structural Metal Products	75	1.61
	Office Computing Machinery	70	1.50
	All Other Wholesale Trade-durable Goods	70	1.50
	Miscellaneous Shopping Goods Stores	70	1.50
	Communication Equipment	60	1.29
	All Other Printing And Publishing	60	1.29
	All Other Chemicals And Allied Products	60	1.28
o	Truck Drivers, Heavy	4330	100.00
	Trucking, Local And Long Distance	2045	47.23
	Machinery, Equipment And Supplies	280	6.47
	All Other Construction	195	4.50
	Fuel And Ice Dealers	190	4.39
	Stone, Clay And Glass Products	130	3.00
	Mining	125	2.89
	All Other Wholesale Trade-durable Goods	125	2.89
	All Other Wholesale And Retail Trade	105	2.42
	Dairy Products	100	2.31
	All Other Nondurable Goods Manufacturing	100	2.31
	Lumber And Other Construction Materials	95	2.19
	All Other Durable Goods Manufacturing	90	2.08
	All Other Food And Kindred Products	90	2.08
	All Other Wholesale Trade-nondurable Goods	85	1.96
	All Other Transportation And Public Utilities	75	1.73
	Miscellaneous Nondurable Goods	75	1.73
	All Other General Buiding Contractors	65	1.50
	Miscellaneous Special Trade Contractors	65	1.50
	All Other Special Trade Constructors	60	1.39
o	Truck Drivers, Light - Including Delivery And Route Drivers	3425	100.00
	Personnel Supply Services	595	17.37
	Trucking, Local And Long Distance	385	11.24
	Groceries And Related Supplies	210	6.13
	All Other Wholesale And Retail Trade	210	6.13
	Miscellaneous Nondurable Goods	155	4.53
	Durable Goods Manufacturing	140	4.09
	Nonstore Retailers	125	3.65
	Miscellaneous Business Services	115	3.36
	Motor Vehicles And Automotive Parts And Supplies	110	3.21
	All Other Wholesale Trade-durable Goods	110	3.21
	All Other Service	110	3.21
	All Other Nondurable Goods Manufacturing	105	3.07
	Fuel And Ice Dealers	90	2.63
	Motion Pictures	90	2.63
	Machinery, Equipment And Supplies	85	2.48
	Furniture, Home Furnishings, Equip Stores, Exc Appliances	85	2.48

**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
Retail Stores, Not Elsewhere Classified	85	2.48
All Other Special Trade Contractors	80	2.34
All Other Wholesale Trade-nondurable Goods	80	2.34
All Other Printing And Publishing	75	2.19
All Other Transportation And Public Utilities	70	2.04
o Bus Drivers, School	1745	100.00
School Buses	1160	66.48
All Other Local And Interurban Passenger Transport	325	18.62
Elementary And Secodary Schools	225	12.89
o Taxi Drivers And Chauffeurs	610	100.00
All Other Local And Interurban Passenger Transport	590	96.72
o Driver/Sales Workers	780	100.00
Eating And Drinking Places	280	35.90
Laudry, Cleaning And Garment Services	155	19.87
All Other Food And Kindred Products	95	12.18
All Other Printing And Publishing	80	10.26
Nonstore Retailers	60	7.69
All Other Wholesale And Retail Trade	60	7.69
All Other Service	50	6.41
o Service Station Attendants	1555	100.00
Gasoline Service Stations	1310	84.25
All Other Wholesale And Retail Trade	70	4.50
Automotive Repair Shops	65	4.18
All Other Wholesale Trade-nondurable Goods	60	3.86
o Industrial Truck And Tractor Operators	830	100.00
Durable Goods Manufacturing	190	22.89
Trucking, Local And Long Distance	125	15.06
All Other Nondurable Goods Manufacturing	105	12.65
All Other Wholesale And Retail Trade	90	10.84
All Other Food And Kindred Products	85	10.24
All Other Wholesale Trade-nondurable Goods	85	10.24
All Other Wholesale Trade-durable Goods	70	8.43
All Other Transportation And Public Utilities	60	7.23
o Operating Engineers	600	100.00
General Building Contractors - Residential Buildings	255	42.50
Heavy Construction, Exc Highway And Street Construction	195	32.50
All Other Construction	100	16.67
o Construction Trades Helpers	2455	100.00
Electrical Work	665	27.09
General Building Contractors - Residential Buildings	480	19.55
General Building Contractors - Nonresidential Buildings	365	14.87
Miscellaneous Special Trade Contractors	215	8.76
Masonry, Stonework, Tile Setting And Plastering	200	8.15
All Other Special Trade Contractors	185	7.53
All Other Construction	125	5.09
Carpentering And Flooring	115	4.68
Heavy Construction, Exc Highway And Street Construction	105	4.28



**Table B:**  
**Metro South/West**  
**Employment in**  
**Selected Occupations**  
**by Industry**

	Employment	Percent Distribution
o Machine Feeders And Offbearers	555	100.00
Laundry, Cleaning And Garment Services	220	39.64
All Other Nondurable Goods Manufacturing	120	21.62
Durable Goods Manufacturing	105	18.92
All Other Printing And Publishing	80	14.41
o Hand Packers And Packagers	1860	100.00
Food Stores	300	16.13
Miscellaneous Converted Paper Products	145	7.80
All Other Durable Goods Manufacturing	140	7.53
All Other Nondurable Goods Manufacturing	125	6.72
Miscellaneous Nondurable Goods	110	5.91
Groceries And Related Supplies	105	5.65
Trucking, Local And Long Distance	100	5.38
All Other Wholesale Trade-durable Goods	95	5.11
All Other Fabricated Metal Products	80	4.30
Communication Equipment	80	4.30
All Other Chemicals And Allied Products	80	4.30
Miscellaneous Plastics Products	80	4.30
Machinery, Equipment And Supplies	75	4.03
Miscellaneous Manufacturing Industries	65	3.49
o Vehicle Washers And Equipment Cleaners	515	100.00
Service	175	33.98
Motor Vehicle Dealers (new And Used)	165	32.04
Durable Goods Manufacturing	75	14.56
All Other Wholesale And Retail Trade	55	10.68
o Other Helpers	12240	100.00
Communication Equipment	4265	34.85
State Government, Except Education And Hospitals	980	8.01
Local Government, Except Education And Hospitals	610	4.98
Personnel Supply Services	485	3.96
Machinery, Equipment And Supplies	445	3.64
All Other Durable Goods Manufacturing	360	2.94
General Building Contractors - Residential Buildings	310	2.53
Newspapers	275	2.25
Miscellaneous Converted Paper Products	240	1.96
Motor Vehicles And Automotive Parts And Supplies	230	1.88
All Other Nondurable Goods Manufacturing	220	1.80
Stone, Clay And Glass Products	195	1.59
All Other Food And Kindred Products	175	1.43
Trucking, Local And Long Distance	175	1.43
Primary Metal Industries	170	1.39
Motor Vehicle Dealers (new And Used)	160	1.31
All Other Wholesale And Retail Trade	155	1.27
Laundry, Cleaning And Garment Services	155	1.27
All Other Wholesale Trade-durable Goods	140	1.14
Apparel, Piece Goods And Notions	135	1.10
All Other Service	125	1.02

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

		Employment	Percent Distribution
Construction Industries	o General Building Contractors - Residential Buildings	4855	100.00
	Carpenters	905	18.64
	Helpers, All Other Construction Trades	480	9.89
	First Line Supervisors - Constuction And Related	420	8.65
	All Other Helpers, Laborers, Movers - Hand	310	6.39
	Construction Managers	255	5.25
	Operating Engineers	255	5.25
	Brick Masons And Stone Masons	220	4.53
	General Office Clerk	200	4.12
	Boilermakers	185	3.81
	Painters, Paperhangers, Construction And Maintenance	170	3.50
	General Managers And Top Executives	155	3.19
	Bookkeeping, Accounting, Auditing Clerks	130	2.68
	Drywall Installers And Tapers	115	2.37
	Electricians	105	2.16
	All Other Professional, Paraprofessional And Technicians	100	2.06
	Mechanics, Installers And Repairers	100	2.06
	o General Building Contractors - Nonresidential Buildings	1890	100.00
	Carpenters	655	34.66
	Helpers, All Other Construction Trades	365	19.31
	First Line Supervisors - Constuction And Related	150	7.94
	Clerical And Administrative Support Occupations	140	7.41
	All Other Managers And Administrators	90	4.76
	All Other Helpers, Laborers, Movers - Hand	90	4.76
	Maintenance Repairers, General Utility	80	4.23
	Construction Managers	75	3.97
	Transportation, Material Moving Machine And Vehicle Operators	75	3.97
	Brick Masons And Stone Masons	60	3.18
	Precision Production Occupations	55	2.91
	o Heavy Construction, Exc Highway And Street Construction	1275	100.00
	Operating Engineers	195	15.29
	General Managers And Top Executives	140	10.98
	First Line Supervisors - Constuction And Related	130	10.20
	All Other Material Moving Equipment Operators	115	9.02
	Helpers, All Other Construction Trades	110	8.63
	Construction Trades, Extractive Occupations, Exc Mat Moving	90	7.06
	o Plumbing, Heating (except Electric), Air Conditioning	2645	100.00
	Plumbers, Pipefitters And Steamfitters	1490	56.33
	First Line Supervisors - Constuction And Related	175	6.62
	Heating, Air Conditioning, Refrigeration Mechs, Installers	155	5.86
	General Managers And Top Executives	100	3.78
	All Other Construction And Extractive Occupations	100	3.78
	Bookkeeping, Accounting, Auditing Clerks	95	3.59
	Sheet Metal Workers	90	3.40
	o Electrical Work	2870	100.00
	Electricians	1225	42.68
	Helpers, All Other Construction Trades	665	23.17
	First Line Supervisors - Constuction And Related	240	8.36
	Telephone And Cable Tv Line Installers And Repairers	225	7.84
	All Other Clerical And Administrative Support Workers	125	4.36
	Cost Estimators	95	3.31

**Table C:  
Metro South/West  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
o Masonry, Stonework, Tile Setting And Plastering	1900	100.00
Drywall Installers And Tapers	490	25.79
Helpers, All Other Construction Trades	200	10.53
Brick Masons And Stone Masons	195	10.26
Carpenters	170	8.95
Ceiling Tile Installers	135	7.10
Insulation Workers	120	6.32
Clerical And Administrative Support Occupations	115	6.05
Plasterers And Stucco Masons	75	3.95
o Carpentering And Flooring	1055	100.00
All Other Construction And Extractive Occupations	185	17.54
Clerical And Administrative Support Occupations	150	14.22
Carpenters	150	14.22
Carpet Installers	125	11.85
Helpers, All Other Construction Trades	115	10.90
Precision Production Occupations	80	7.58
o Miscellaneous Special Trade Contractors	2225	100.00
Excavating And Loading Machine Operators	270	12.13
Reinforcing Metal Workers	250	11.24
Helpers, All Other Construction Trades	215	9.66
General Managers And Top Executives	190	8.54
Plumbers, Pipefitters And Steamfitters	155	6.97
All Other Construction And Extractive Occupations	140	6.29
Bookkeeping, Accounting, Auditing Clerks	120	5.39
Concrete And Terrazzo Finishers	120	5.39
Metal Fabricators, Structural Metal Products	115	5.17
Welders And Cutters	85	3.82
o All Other Special Trade Constructors	1960	100.00
Painters, Paperhangers, Construction And Maintenance	395	20.15
Roofers	190	9.69
Drywall Installers And Tapers	175	8.93
Helpers, All Other Construction Trades	170	8.67
Concrete And Terrazzo Finishers	130	6.63
General Managers And Top Executives	110	5.61
All Other Construction And Extractive Occupations	90	4.59
o All Other Construction	1065	100.00
First Line Supervisors - Constuction And Related	155	14.55
Truck Drivers, Heavy	145	13.62
Helpers, All Other Construction Trades	125	11.74
All Other Material Moving Equipment Operators	100	9.39
Paving, Surfacing And Tamping Equipment Operators	90	8.45
All Other Helpers, Laborers, Movers - Hand	90	8.45
Clerical And Administrative Support Occupations	75	7.04
o Stone, Clay And Glass Products	1050	100.00
All Other Helpers, Laborers, Movers - Hand	215	20.47
Precision Production Occupations	135	12.86
Machine Setters, Set-up Operators, Operators And Tenders	135	12.86
Truck Drivers, Heavy	130	12.38
Clerical And Administrative Support Occupations	110	10.47
Managerial And Administrative Occupations	75	7.14
Mechanics, Installers And Repairers	70	6.67

**Manufacturing  
Industries**

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
o Primary Metal Industries	1850	100.00
Helpers, Laborers And Related	170	9.19
Machinists	160	8.65
All Other Metal And Plastic Machine Operators And Tenders	145	7.84
Sheetmetal Machine Operator	120	6.49
All Other Managers And Administrators	115	6.22
All Other Clerical And Administrative Support Workers	115	6.22
All Other Precision Workers	110	5.95
All Other Metal, Plastic Machine Setters, Set-up Operators	105	5.68
o Fabricated Structural Metal Products	1060	100.00
Sheet Metal Workers	155	14.62
Metal Fabricators, Structural Metal Products	115	10.85
All Other Metal, Plastic Machine Setters, Set-up Operators	110	10.38
Clerical And Administrative Support Occupations	105	9.91
All Other Metal And Plastic Machine Operators And Tenders	90	8.49
Managerial And Administrative Occupations	75	7.08
Assemblers, Fabricators - Exc Mach, Electrc, Electrmc, Prec	75	7.08
o Miscellaneous Fabricated Metal Products	1055	100.00
All Other Metal, Plastic Machine Setters, Set-up Operators	145	13.74
Managerial And Administrative Occupations	120	11.37
Clerical And Administrative Support Occupations	115	10.90
All Other Metal And Plastic Machine Operators And Tenders	110	10.43
All Other Precision Workers	95	9.01
All Other Professional, Paraprofessional And Technicians	85	8.06
Hand Working Occupations, Including Assemblers, Fabricators	70	6.64
o All Other Fabricated Metal Products	1835	100.00
Assemblers, Fabricators - Exc Mach, Electrc, Electrmc, Prec	310	16.89
All Other Metal, Plastic Machine Setters, Set-up Operators	150	8.17
All Other Clerical And Administrative Support Workers	110	6.00
Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	100	5.45
Helpers, Laborers And Related	100	5.45
First Line Supervisors - Production And Related	95	5.18
All Other Metal And Plastic Machine Operators And Tenders	95	5.18
General Managers And Top Executives	85	4.63
All Other Managers And Administrators	80	4.36
Machine Tool Cutting Operators	80	4.36
o General Industrial Machinery	2360	100.00
All Other Managers And Administrators	160	6.78
All Other Clerical And Administrative Support Workers	135	5.72
All Other Precision Workers	130	5.51
Machinists	120	5.09
All Other Professional, Paraprofessional And Technicians	115	4.87
Sales Reps, Scientific And Related Products And Services	115	4.87
Secretaries, Stenographers And Typists	115	4.87
Material Recording, Scheduling, Dispatching, Distributing	105	4.45
All Other Metal And Plastic Machine Operators And Tenders	100	4.24
o Office Computing Machinery	2265	100.00
Electrical And Electronic Engineers	2535	11.19
Secretaries, Stenographers And Typists	1250	5.52
Sales Reps, Scientific And Related Products And Services	1225	5.41



**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
All Other Sales And Related Workers	960	4.24
Systems Analysts, Electronic Data Processing	930	4.10
Precision And Production Inspectors	860	3.79
Engineering, Mathematical And Natural Science Managers	760	3.35
All Other Professional, Paraprofessional And Technicians	720	3.18
Electrical, Electronic Engineering Technicians, Technologists	660	2.91
All Other Management Support Workers	635	2.80
Industrial Production Managers	550	2.43
Production, Planning, Expediting Clerks	495	2.18
First Line Supervisors And Manager/supervisors - Sales And Re	475	2.10
Financial Managers	455	2.01
Electrical And Electronic Equipment Assembler	455	2.01
Writers And Editors, Including Technical Writers	440	1.94
Marketing, Advertising And Related Managers	405	1.79
Electrical And Electronic Assemblers	385	1.70
Computer Programmers	380	1.68
First Line Supervisors - Production And Related	355	1.57
All Other Managers And Administrators	345	1.52
First Line Supervisors - Clerical And Administrative Clerks	335	1.48
General Managers And Top Executives	295	1.30
Sales Engineers	275	1.21
Bookkeeping, Accounting, Auditing Clerks	270	1.19
Industrial And Safety Engineers	265	1.17
All Other Engineering Technicians And Technologists	250	1.10
First Line Supervisors - Mechanics And Repairers	250	1.10
Accountants And Auditors	240	1.06
Personnel, Training And Labor Relations Specialists	240	1.06
All Other Financial Specialists	235	1.04
o Miscellaneous Machinery Except Electrical	1465	100.00
Machinists	380	25.94
Clerical And Administrative Support Occupations	185	12.63
All Other Managers And Administrators	130	8.88
General Managers And Top Executives	115	7.85
All Other Precision Workers	110	7.51
All Other Metal, Plastic Machine Setters, Set-up Operators	105	7.17
All Other Professional, Paraprofessional And Technicians	90	6.14
o All Other Machinery, Except Electrical	2685	100.00
Machinists	225	8.38
All Other Clerical And Administrative Support Workers	165	6.15
All Other Metal And Plastic Machine Operators And Tenders	145	5.40
All Other Managers And Administrators	120	4.47
Material Recording, Scheduling, Dispatching, Distributing	120	4.47
All Other Hand Workers	115	4.28
First Line Supervisors - Production And Related	110	4.10
All Other Metal, Plastic Machine Setters, Set-up Operators	110	4.10
Sales And Related Occupations	100	3.72
Welders And Cutters	100	3.72
All Other Precision Workers	95	3.54
o Radio And TV Receiving Equipment	1375	100.00
Electrical And Electronic Equipment Assembler	360	26.18
All Other Clerical And Administrative Support Workers	170	12.36
Managerial And Administrative Occupations	150	10.91
All Other Precision Workers	120	8.73
All Other Professional, Paraprofessional And Technicians	115	8.36
Precision And Production Inspectors	105	7.64
Material Recording, Scheduling, Dispatching, Distributing	70	5.09
All Other Hand Workers	65	4.73

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
o Communication Equipment	18100	100.00
All Other Helpers, Laborers, Movers - Hand	4270	23.59
Electrical And Electronic Engineers	1680	9.28
Precision And Production Inspectors	1155	6.38
Electrical And Electronic Equipment Assembler	680	3.76
Electrical, Electronic Engineering Technicians, Technologists	605	3.34
All Other Clerical And Administrative Support Workers	545	3.01
Engineering, Mathematical And Natural Science Managers	540	2.98
All Other Management Support Workers	500	2.76
All Other Mechanics, Installers And Repairers	500	2.76
Secretaries, Stenographers And Typists	430	2.38
Electrical And Electronic Assemblers	405	2.24
First Line Supervisors - Production And Related	355	1.96
Sales Engineers	315	1.74
Production, Planning, Expediting Clerks	305	1.68
Drafters	270	1.49
All Other Managers And Administrators	260	1.44
Industrial And Safety Engineers	245	1.35
Industrial Production Managers	210	1.16
All Other Professional, Paraprofessional And Technicians	210	1.16
Stock Clerks - Stockroom, Warehouse And Storage Yard	195	1.08
General Office Clerk	185	1.02
Bookkeeping, Accounting, Auditing Clerks	175	0.97
o Electronic Components And Accessories	12470	100.00
Electrical And Electronic Engineers	1260	10.11
All Other Management Support Workers	835	6.70
Secretaries, Stenographers And Typists	740	5.94
Systems Analysts, Electronic Data Processing	680	5.45
Engineering, Mathematical And Natural Science Managers	575	4.62
Industrial Production Managers	400	3.21
Sales Reps, Scientific And Related Products And Services	400	3.21
Personnel, Training And Labor Relations Specialists	395	3.17
All Other Engineers	335	2.69
Electrical, Electronic Engineering Technicians, Technologists	335	2.69
Electrical And Electronic Equipment Assembler	310	2.49
Precision And Production Inspectors	285	2.29
Electromechanical Equipment Assemblers - Prec	275	2.21
Mechanical Engineers	235	1.89
All Other Clerical And Administrative Support Workers	230	1.85
First Line Supervisors - Production And Related	220	1.77
Financial Managers	205	1.65
Personnel, Training And Labor Relation Managers	205	1.65
Production, Planning, Expediting Clerks	185	1.49
Industrial And Safety Engineers	175	1.40
All Other Professional, Paraprofessional And Technicians	175	1.40
First Line Supervisors And Manager/supervisors - Sales And Re	175	1.40
Accountants And Auditors	170	1.36
All Other Sales And Related Workers	170	1.36
All Other Managers And Administrators	165	1.32
All Other Machine Operators	165	1.32
Marketing, Advertising And Related Managers	160	1.28
Bookkeeping, Accounting, Auditing Clerks	160	1.28
Budget Analysts	150	1.20
All Other Precision Workers	150	1.20
Assemblers, Fabricators - Exc Mach, Electrcel, Electrnc, Prec	150	1.20
General Managers And Top Executives	145	1.16
Purchasing Agents - Exc Wholesale, Retail & Farm Products	135	1.08

**Table C:  
Metro South/West  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
o Miscellaneous Electrical Equipment And Supplies	1605	100.00
Electrical And Electronic Equipment Assembler	230	14.33
Clerical And Administrative Support Occupations	220	13.71
Electrical And Electronic Engineers	165	10.28
Electrical, Electronic Engineering Technicians, Technologists	120	7.48
All Other Professional, Paraprofessional And Technicians	115	7.16
All Other Hand Workers	110	6.85
All Other Managers And Administrators	105	6.54
Industrial Production Managers	85	5.30
o All Other Electrical And Electronic Equipment	1150	100.00
Clerical And Administrative Support Occupations	170	14.78
Assemblers, Fabricators - Exc Mach, Electrl, Electrn, Prec	155	13.48
Managerial And Administrative Occupations	125	10.87
Precision Production Occupations	110	9.56
All Other Professional, Paraprofessional And Technicians	100	8.70
Engineers	90	7.83
Electrical And Electronic Assemblers	80	6.96
o Miscellaneous Manufacturing Industries	1045	100.00
Hand Working Occupations, Including Assemblers, Fabricators	140	13.40
Precision Metal Workers	135	12.92
Machine Setters, Set-up Operators, Operators And Tenders	130	12.44
All Other Clerical And Administrative Support Workers	125	11.96
First Line Supervisors, Manager/supers - Prod, Constr, Maint	80	7.66
o All Other Durable Goods Manufacturing	32990	100.00
Assemblers, Fabricators - Exc Mach, Electrl, Electrn, Prec	2780	8.43
Electrical And Electronic Engineers	1800	5.46
Secretaries, Stenographers And Typists	1240	3.76
Mechanical Engineers	1170	3.55
All Other Hand Workers	1160	3.52
Precision And Production Inspectors	1090	3.30
All Other Machine Operators	955	2.89
Electrical, Electronic Engineering Technicians, Technologists	930	2.82
All Other Professional, Paraprofessional And Technicians	825	2.50
Electrical And Electronic Assemblers	815	2.47
Electromechanical Equipment Assemblers - Prec	770	2.33
General Managers And Top Executives	640	1.94
Industrial Production Managers	575	1.74
Machinists	565	1.71
All Other Management Support Workers	540	1.64
All Other Engineers	540	1.64
First Line Supervisors - Production And Related	530	1.61
All Other Managers And Administrators	520	1.58
Electrical And Electronic Equipment Assembler	465	1.41
Mechanical Engineering Technicians And Technologists	460	1.39
Engineering, Mathematical And Natural Science Managers	455	1.38
Drafters	405	1.23
Janitors And Cleaners	405	1.23
Production, Planning, Expediting Clerks	385	1.17
Bookkeeping, Accounting, Auditing Clerks	380	1.15
Stock Clerks - Stockroom, Warehouse And Storage Yard	370	1.12
Marketing, Advertising And Related Managers	360	1.09
All Other Helpers, Laborers, Movers - Hand	350	1.06
Computer Programmers	340	1.03
Machine Tool Cutting Operators	340	1.03
Machine Assemblers	335	1.01

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
o Dairy Products	1195	100.00
Clerical And Administrative Support Occupations	160	13.39
Packaging And Filling Machine Operators	150	12.55
Truck Drivers, Heavy	100	8.37
All Other Machine Operators	90	7.53
o All Other Food And Kindred Products	2050	100.00
All Other Service Workers	245	11.95
Packaging And Filling Machine Operators	170	8.29
Helpers, Laborers And Related	160	7.81
All Other Clerical And Administrative Support Workers	155	7.56
Machinery Maintenance Mechanics	105	5.12
All Other Precision Food And Tobacco Workers	95	4.63
Truck Drivers, Heavy	95	4.63
o Textile Mill Products	1025	100.00
Textile Machine Ops, Tenders - Winding, Twisting, Knitting	270	26.34
Extruding, Forming Machine Ops, Tenders, Synthetic Or Glass	135	13.17
Clerical And Administrative Support Occupations	105	10.24
Helpers, Laborers And Related	100	9.76
All Other Machine Operators	85	8.29
o Miscellaneous Converted Paper Products	2775	100.00
Paper Goods Machine Setters And Set-up Operators	335	12.07
All Other Helpers, Laborers, Movers - Hand	265	9.55
All Other Machine Operators	245	8.83
Managerial And Administrative Occupations	225	8.11
All Other Clerical And Administrative Support Workers	160	5.77
Engineering And Related Technicians And Technologists	145	5.23
Hand Packers And Packagers	145	5.23
Coating, Painting And Spraying Machine Operators And Tenders	120	4.33
Material Recording, Scheduling, Dispatching, Distributing	100	3.61
Precision Production Occupations	100	3.61
o All Other Paper And Allied Products	1070	100.00
All Other Machine Operators	195	18.22
Clerical And Administrative Support Occupations	135	12.62
Precision Production Occupations	115	10.75
All Other Metal, Plastic Machine Setters, Set-up Operators	110	10.28
Assemblers, Fabricators - Exc Mach, Electrl, Electrn, Prec	100	9.35
Helpers, Laborers And Related	100	9.35
Paper Goods Machine Setters And Set-up Operators	85	7.94
o Newspapers	1825	100.00
Reporters And Correspondents	310	16.99
Helpers, Laborers And Related	290	15.89
All Other Clerical And Administrative Support Workers	250	13.70
General Office Clerk	180	9.86
Sales Agents, Advertising	135	7.40
Letterpress Setters And Set-up Operators	125	6.85
o Periodicals	2195	100.00
All Other Clerical And Administrative Support Workers	245	11.16
Writers And Editors, Including Technical Writers	205	9.34



**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
All Other Sales And Related Workers	190	8.66
Reporters And Correspondents	160	7.29
All Other Professional, Paraprofessional And Technicians	155	7.06
Sales Agents, Advertising	145	6.61
General Managers And Top Executives	125	5.69
Sales Reps, Exc Scientific And Related Products Or Services	115	5.24
All Other Managers And Administrators	110	5.01
Secretaries, Stenographers And Typists	100	4.56
o Commercial Printing	1870	100.00
All Other Clerical And Administrative Support Workers	250	13.37
Printing Press Machine Operators	140	7.49
Precision Lithography And Photoengraving Workers	130	6.95
General Managers And Top Executives	115	6.15
o All Other Printing And Publishing	2115	100.00
All Other Clerical And Administrative Support Workers	325	15.37
All Other Professional, Paraprofessional And Technicians	195	9.22
Writers And Editors, Including Technical Writers	190	8.98
All Other Managers And Administrators	155	7.33
Secretaries, Stenographers And Typists	130	6.15
All Other Machine Operators	130	6.15
Sales And Related Occupations	105	4.96
All Other Printing, Binding, Related Machine Ops And Tenders	105	4.96
All Other Hand Workers	105	4.96
Helpers, Laborers And Related	100	4.73
o Drugs	1225	100.00
Managerial And Administrative Occupations	165	13.47
All Other Professional, Paraprofessional And Technicians	165	13.47
Clerical And Administrative Support Occupations	165	13.47
Chemical Equipment Tenders	150	12.24
Sales Reps, Scientific And Related Products And Services	110	8.98
Precision Production Occupations	110	8.98
o Miscellaneous Chemical Products	1020	100.00
Managerial And Administrative Occupations	150	14.71
All Other Machine Operators	125	12.26
All Other Clerical And Administrative Support Workers	110	10.79
All Other Professional, Paraprofessional And Technicians	95	9.32
Chemical Technicians, Technologists, Exc Health, Engineering	90	8.82
Precision Production Occupations	85	8.33
Packaging And Filling Machine Operators	80	7.84
o All Other Chemicals And Allied Products	1255	100.00
All Other Machine Operators	185	14.74
Clerical And Administrative Support Occupations	180	14.34
All Other Professional, Paraprofessional And Technicians	120	9.56
Managerial And Administrative Occupations	110	8.77
Chemical Equipment Controllers And Operators	80	6.38
Hand Packers And Packagers	65	5.18
Sales And Related Occupations	60	4.78
Assemblers, Fabricators - Exc Mach, Electrl, Electrn, Prec	60	4.78

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

		Employment	Percent Distribution
Transportation, Communications & Utilities	o Miscellaneous Plastics Products	1370	100.00
	Plastic Molding, Casting Machine Operators And Tenders	325	23.72
	Assemblers, Fabricators - Exc Mach, Electrcd, Electrnc, Prec	165	12.04
	All Other Precision Workers	125	9.12
	Clerical And Administrative Support Occupations	115	8.39
	All Other Machine Operators	110	8.03
	Hand Packers And Packagers	80	5.84
	First Line Supervisors - Production And Related	70	5.11
	o All Other Nondurable Goods Manufacturing	1830	100.00
	Helpers, Laborers And Related	235	12.84
	All Other Machine Operators	220	12.02
	All Other Clerical And Administrative Support Workers	175	9.56
	Precision Production Occupations	115	6.28
	Assemblers, Fabricators - Exc Mach, Electrcd, Electrnc, Prec	115	6.29
	Managerial And Administrative Occupations	110	6.01
	Mechanics, Installers And Repairers	110	6.01
	Sewing Machine Operators, Garment	105	5.74
	Professional, Paraprofessional And Technical Occupations	100	5.46
	Sewing Machine Operators, Non-garment	80	4.37
	All Other Hand Workers	75	4.10
	Material Recording, Scheduling, Dispatching, Distributing	70	3.83
	o Trucking, Local And Long Distance	4575	100.00
	Truck Drivers, Heavy	2045	44.70
	Truck Drivers, Light - Including Delivery And Route Drivers	385	8.42
	Bus And Truck Mechanics And Diesel Mechanics	225	4.92
	All Other Helpers, Laborers, Movers - Hand	200	4.37
	General Office Clerk	160	3.50
	All Other Clerical And Administrative Support Workers	155	3.39
	All Other Transportation Workers	135	2.95
	Bookkeeping, Accounting, Auditing Clerks	125	2.73
	Industrial Truck And Tractor Operators	125	2.73
	Communications, Transportation, Utilities Operations Managers	115	2.51
	Sales Occupations, Services	105	2.29
	Hand Packers And Packagers	100	2.19
	o Arrangement Of Transportation	1770	100.00
	Travel Agents	895	50.57
	All Other Clerical And Administrative Support Workers	180	10.17
	First Line Supervisors - Clerical And Administrative Clerks	130	7.35
	Bookkeeping, Accounting, Auditing Clerks	130	7.35
	o Electric, Gas And Sanitary Services	1725	100.00
	Electric Powerline Installers And Repairers	180	10.43
	All Other Clerical And Administrative Support Workers	165	9.56
	Precision Production Occupations	130	7.53
	All Other Mechanics, Installers And Repairers	125	7.24
	Sales And Related Occupations	105	6.09
	Managerial And Administrative Occupations	100	5.80
	Material Recording, Scheduling, Dispatching, Distributing	95	5.51
	o Motor Vehicles And Automotive Parts And Supplies	2155	100.00
	Salespersons, Parts	250	11.60
	Helpers, Laborers And Related	250	11.60
	Sales Reps, Exc Scientific And Related Products Or Services	210	9.75

**Table C:  
Metro South/West  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
Wholesale & Retail Trade	All Other Clerical And Administrative Support Workers	180	8.35
	General Office Clerk	155	7.19
	Stock Clerks - Stockroom, Warehouse And Storage Yard	135	6.27
	General Managers And Top Executives	120	5.57
	All Other Mechanics, Installers And Repairers	115	5.34
	Truck Drivers, Light - Including Delivery And Route Drivers	110	5.10
	o Lumber And Other Construction Materials	1060	100.00
	All Other Clerical And Administrative Support Workers	260	24.53
	Sales Reps, Exc Scientific And Related Products Or Services	120	11.32
	Truck Drivers, Heavy	95	8.96
	All Other Sales And Related Workers	90	8.49
	Precision Production Occupations	90	8.49
	Helpers, Laborers And Related	90	8.49
	Material Recording, Scheduling, Dispatching, Distributing	80	7.55
	o Electrical Goods	4955	100.00
	Sales Reps, Scientific And Related Products And Services	720	14.53
	General Managers And Top Executives	345	6.96
	Secretaries, Stenographers And Typists	335	6.76
	Sales Reps, Exc Scientific And Related Products Or Services	305	6.16
	Electrical, Electronic Engineering Technicians, Technologists	290	5.85
	General Office Clerk	235	4.74
	Precision Production Occupations	230	4.64
	All Other Clerical And Administrative Support Workers	215	4.34
	First Line Supervisors And Manager/supervisors - Sales And Re	195	3.94
	First Line Supervisors - Clerical And Administrative Clerks	185	3.74
	All Other Managers And Administrators	180	3.63
	Salespersons, Retail Trade	170	3.43
	All Other Professional, Paraprofessional And Technicians	130	2.62
	Order Clerks - Materials, Merchandise And Service	130	2.62
	Bookkeeping, Accounting, Auditing Clerks	130	2.62
	Stock Clerks, Sales Floor	95	1.92
	Stock Clerks - Stockroom, Warehouse And Storage Yard	95	1.92
	All Other Management Support Workers	90	1.82
	o Hardware, And Plumbing And Heating Equipment And Supplies	1460	100.00
	Sales Reps, Exc Scientific And Related Products Or Services	175	11.99
	All Other Clerical And Administrative Support Workers	165	11.30
	All Other Sales And Related Workers	125	8.56
	General Managers And Top Executives	85	5.82
	General Office Clerk	80	5.48
	Stock Clerks - Stockroom, Warehouse And Storage Yard	80	5.48
	Traffic, Shipping And Receiving Clerks	75	5.14
	All Other Material Recording And Related Workers	75	5.14
	Bookkeeping, Accounting, Auditing Clerks	70	4.80
	o Machinery, Equipment And Supplies	17960	100.00
	Sales Reps, Scientific And Related Products And Services	2995	16.68
	Sales Reps, Exc Scientific And Related Products Or Services	1205	6.71
	Data Processing Equipment Repairers	1090	6.07
	General Managers And Top Executives	1010	5.62
	Secretaries, Stenographers And Typists	960	5.35
	First Line Supervisors And Manager/supervisors - Sales And Re	660	3.68
	Bookkeeping, Accounting, Auditing Clerks	615	3.42
	Order Clerks - Materials, Merchandise And Service	450	2.51
	All Other Helpers, Laborers, Movers - Hand	445	2.48
	Electrical And Electronic Engineers	440	2.45

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
All Other Managers And Administrators	415	2.31
Order Fillers, Wholesale And Retail Sales	385	2.14
General Office Clerk	380	2.12
Stock Clerks - Stockroom, Warehouse And Storage Yard	355	1.98
Traffic, Shipping And Receiving Clerks	340	1.89
All Other Clerical And Administrative Support Workers	320	1.78
Typists And Word Processors	310	1.73
Electrical, Electronic Engineering Technicians, Technologists	305	1.70
First Line Supervisors - Clerical And Administrative Clerks	305	1.70
Salespersons, Retail Trade	290	1.61
Truck Drivers, Heavy	280	1.56
Construction Trades, Extractive Occupations, Exc Mat Moving	275	1.53
Computer Programmers	265	1.48
All Other Professional, Paraprofessional And Technicians	255	1.42
Office Machine And Cash Register Servicers	245	1.36
Accountants And Auditors	205	1.14
Salespersons, Parts	205	1.14
Billing, Cost And Rate Clerks	205	1.14
o All Other Wholesale Trade-durable Goods	2830	100.00
Sales Reps, Exc Scientific And Related Products Or Services	465	16.43
General Managers And Top Executives	205	7.25
Salespersons, Retail Trade	175	6.18
Stock Clerks - Stockroom, Warehouse And Storage Yard	170	6.01
All Other Clerical And Administrative Support Workers	170	6.01
Helpers, Laborers And Related	145	5.12
Secretaries, Stenographers And Typists	120	4.24
Mechanics, Installers And Repairers	120	4.24
General Office Clerk	110	3.89
First Line Supervisors And Manager/supervisors - Sales And Re	105	3.71
Bookkeeping, Accounting, Auditing Clerks	100	3.53
Precision Production Occupations	100	3.53
o Apparel, Piece Goods And Notions	1800	100.00
All Other Clerical And Administrative Support Workers	355	19.72
Professional, Paraprofessional And Technical Occupations	195	10.83
Helpers, Laborers And Related	160	8.89
General Managers And Top Executives	155	8.61
Salespersons, Retail Trade	150	8.33
Sales Reps, Exc Scientific And Related Products Or Services	130	7.22
All Other Managers And Administrators	125	6.95
o Groceries And Related Supplies	3425	100.00
Sales Reps, Exc Scientific And Related Products Or Services	755	22.04
Salespersons, Retail Trade	365	10.66
General Office Clerk	235	6.86
Truck Drivers, Light - Including Delivery And Route Drivers	210	6.13
First Line Supervisors And Manager/supervisors - Sales And Re	185	5.40
All Other Clerical And Administrative Support Workers	180	5.25
Order Fillers, Wholesale And Retail Sales	160	4.67
Secretaries, Stenographers And Typists	135	3.94
General Managers And Top Executives	120	3.50
Stock Clerks, Sales Floor	120	3.50
All Other Managers And Administrators	115	3.36
Bookkeeping, Accounting, Auditing Clerks	100	2.92
Hand Packers And Packagers	100	2.92
All Other Helpers, Laborers, Movers - Hand	100	2.92



**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
o Miscellaneous Nondurable Goods	1660	100.00
Traffic, Shipping And Receiving Clerks	445	26.81
General Office Clerk	355	21.39
Order Fillers, Wholesale And Retail Sales	165	9.94
Truck Drivers, Light - Including Delivery And Route Drivers	155	9.34
Hand Packers And Packagers	110	6.63
All Other Clerical And Administrative Support Workers	95	5.72
o All Other Wholesale Trade-nondurable Goods	2930	100.00
Sales Reps, Exc Scientific And Related Products Or Services	625	21.33
All Other Clerical And Administrative Support Workers	220	7.51
Order Fillers, Wholesale And Retail Sales	180	6.14
General Managers And Top Executives	170	5.80
Sales Reps, Scientific And Related Products And Services	165	5.63
Professional, Paraprofessional And Technical Occupations	140	4.78
General Office Clerk	135	4.61
Secretaries, Stenographers And Typists	120	4.10
Bookkeeping, Accounting, Auditing Clerks	110	3.75
Traffic, Shipping And Receiving Clerks	110	3.75
Helpers, Laborers And Related	110	3.75
Truck Drivers, Heavy	85	2.90
First Line Supervisors - Clerical And Administrative Clerks	80	2.73
o Department Stores	8475	100.00
Salespersons, Retail Trade	3650	43.07
Cashiers	605	7.14
Stock Clerks, Sales Floor	360	4.25
Bookkeeping, Accounting, Auditing Clerks	265	3.13
Adjustment Clerks	230	2.71
All Other Managers And Administrators	195	2.30
First Line Supervisors And Manager/supervisors - Sales And Re	180	2.12
Stock Clerks - Stockroom, Warehouse And Storage Yard	175	2.06
General Managers And Top Executives	165	1.95
All Other Sales And Related Workers	160	1.89
Helpers, Laborers And Related	155	1.83
Janitors And Cleaners	145	1.71
Wholesale And Retail Buyers, Except Farm Products	135	1.59
Traffic, Shipping And Receiving Clerks	135	1.59
All Other Clerical And Administrative Support Workers	135	1.59
Purchasing Managers	110	1.30
Precision Production Occupations	105	1.24
Cosmetologists And Related	100	1.18
o Grocery Stores	11010	100.00
Cashiers	3905	35.47
Stock Clerks, Sales Floor	2865	26.02
Salespersons, Retail Trade	635	5.77
All Other Sales And Related Workers	555	5.04
General Managers And Top Executives	500	4.54
First Line Supervisors And Manager/supervisors - Sales And Re	410	3.72
Butchers And Meat Cutters	350	3.18
Hand Packers And Packagers	300	2.73
Dining Room, Counter And Cafe Attendants	230	2.09
All Other Food Service Workers	185	1.68
Stock Clerks - Stockroom, Warehouse And Storage Yard	155	1.41
Janitors And Cleaners	155	1.41
Bookkeeping, Accounting, Auditing Clerks	140	1.27
General Office Clerk	110	1.00

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
o Motor Vehicle Dealers (new And Used)	4725	100.00
Salespersons, Retail Trade	980	20.74
Automotive Mechanics	960	20.32
Automotive Body And Related Repairers	305	6.45
Salespersons, Parts	270	5.71
First Line Supervisors - Mechanics And Repairers	260	5.50
General Office Clerk	230	4.87
General Managers And Top Executives	205	4.34
Bookkeeping, Accounting, Auditing Clerks	175	3.70
Vehicle Washers And Equipment Cleaners	165	3.49
First Line Supervisors - Clerical And Administrative Clerks	160	3.39
All Other Helpers, Laborers, Movers - Hand	160	3.39
Marketing, Advertising And Related Managers	130	2.75
All Other Transportation Workers	120	2.54
All Other Clerical And Administrative Support Workers	110	2.33
Billing, Cost And Rate Clerks	100	2.12
o Gasoline Service Stations	2540	100.00
Service Station Attendants	1315	51.77
Automotive Mechanics	390	15.35
Cashiers	255	10.04
General Managers And Top Executives	100	3.94
Bookkeeping, Accounting, Auditing Clerks	100	3.94
o Furniture, Home Furnishings, Equip Stores, Exc Appliances	2500	100.00
Salespersons, Retail Trade	490	19.60
General Managers And Top Executives	225	9.00
General Office Clerk	205	8.20
All Other Clerical And Administrative Support Workers	145	5.80
Sales Engineers	140	5.60
Precision Production Occupations	130	5.20
Helpers, Laborers And Related	120	4.80
Bookkeeping, Accounting, Auditing Clerks	115	4.60
All Other Sales And Related Workers	105	4.20
All Other Material Recording And Related Workers	105	4.20
o Radio, Television And Music Stores	1095	100.00
Salespersons, Retail Trade	535	48.86
Clerical And Administrative Support Occupations	140	12.78
All Other Sales And Related Workers	90	8.22
Precision Production Occupations	85	7.76
o Eating And Drinking Places	24410	100.00
Waiters And Waitresses	6585	26.98
All Other Food Service Workers	3525	14.44
Food Preparation Workers	1765	7.23
Cooks, Restaurant	1660	6.80
Cashiers	1625	6.66
Cooks, Speciality Fast Food And Fast Food	1555	6.37
Bartenders	1500	6.14
Dining Room, Counter And Cafe Attendants	1255	5.14
Hosts And Hostesses	805	3.30
General Managers And Top Executives	780	3.19
First Line Supervisors - Service	575	2.36
Food Service And Lodging Managers	545	2.23
Driver/sales Workers	280	1.15

**Table C:  
Metro South/West  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
Finance, Insurance & Real Estate	o Drug Stores And Proprietary Stores	2920	100.00
	Cashiers	920	31.51
	Salespersons, Retail Trade	665	22.77
	Stock Clerks, Sales Floor	430	14.73
	Pharmacists	365	12.50
	Bookkeeping, Accounting, Auditing Clerks	140	4.80
	General Managers And Top Executives	125	4.28
	o Commercial And Stock Savings Banks	3130	100.00
	Tellers	1235	39.46
	Financial Managers	325	10.38
	New Accounts Clerks	320	10.22
	Loan Officers And Counselors	310	9.90
	All Other Clerical And Administrative Support Workers	270	8.63
	First Line Supervisors - Clerical And Administrative Clerks	175	5.59
	General Managers And Top Executives	130	4.15
	o Mutual Savings Banks	1150	100.00
	Tellers	435	37.83
	All Other Clerical And Administrative Support Workers	260	22.61
	All Other Managers And Administrators	75	6.52
	New Accounts Clerks	70	6.09
	First Line Supervisors - Clerical And Administrative Clerks	65	5.65
	Loan And Credit Clerks	65	5.65
	o Savings And Loan Associations	1090	100.00
	Tellers	270	24.77
	All Other Clerical And Administrative Support Workers	235	21.56
	First Line Supervisors - Clerical And Administrative Clerks	90	8.26
	Loan And Credit Clerks	85	7.80
	Financial Managers	75	6.88
	Statement Clerks	75	6.88
	Loan Officers And Counselors	60	5.50
	o Personal Credit Institutions	1155	100.00
	Tellers	525	45.46
	All Other Clerical And Administrative Support Workers	200	17.32
	General Managers And Top Executives	90	7.79
	First Line Supervisors - Clerical And Administrative Clerks	75	6.49
	Loan And Credit Clerks	75	6.49
	o Mortgage Bankers And Brokers	1135	100.00
	All Other Clerical And Administrative Support Workers	255	22.47
	Loan Officers And Counselors	165	14.54
	All Other Financial Specialists	130	11.45
	Loan And Credit Clerks	95	8.37
	Secretaries, Stenographers And Typists	95	8.37
	o Life Insurance	1840	100.00
	Sales Agents And Placers, Insurance	325	17.66
	All Other Clerical And Administrative Support Workers	300	16.31
	All Other Management Support Workers	155	8.42
	General Office Clerk	155	8.42
	All Other Managers And Administrators	125	6.79

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
All Other Professional, Paraprofessional And Technicians	95	5.16
First Line Supervisors - Clerical And Administrative Clerks	85	4.62
Insurance Policy Processing Clerks	85	4.62
o Fire, Marine And Casualty Insurance	3070	100.00
General Office Clerk	430	14.01
Adjusters, Examiners, Investigators	365	11.89
Sales Agents And Placers, Insurance	350	11.40
Underwriters	320	10.42
Insurance Claims Clerks	320	10.42
First Line Supervisors - Clerical And Administrative Clerks	225	7.33
Insurance Policy Processing Clerks	205	6.68
General Managers And Top Executives	190	6.19
Claims Examiners, Property And Casualty Insurance	125	4.07
Secretaries, Stenographers And Typists	110	3.58
File Clerks	110	3.58
o Insurance Agents, Brokers And Service	4265	100.00
Insurance Policy Processing Clerks	685	16.06
Adjusters, Examiners, Investigators	505	11.84
Sales Agents And Placers, Insurance	470	11.02
Underwriters	400	9.38
Secretaries, Stenographers And Typists	400	9.38
General Managers And Top Executives	220	5.16
General Office Clerk	220	5.16
All Other Managers And Administrators	180	4.22
Lawyers	180	4.22
File Clerks	180	4.22
All Other Clerical And Administrative Support Workers	180	4.22
Legal Secretaries	145	3.40
First Line Supervisors - Clerical And Administrative Clerks	110	2.58
Electronic Data Processing, Other Office Machine Occupations	110	2.58
o Real Estate Operators (except Developers) And Lessors	1430	100.00
Janitors And Cleaners	385	26.92
All Other Cleaning And Building Service Workers	305	21.33
Detectives And Investigators	140	9.79
Gardners And Groundskeepers, Except Farm	140	9.79
All Other Managers And Administrators	90	6.29
Property And Real Estate Managers And Administrators	80	5.59
All Other Clerical And Administrative Support Workers	80	5.59
Construction Trades, Extractive Occupations, Exc Mat Moving	75	5.25
o Real Estate Agents And Managers	2880	100.00
Maintenance Repairers, General Utility	535	18.58
Secretaries, Stenographers And Typists	245	8.51
Food And Beverage Preparation And Service Workers	230	7.99
Property And Real Estate Managers And Administrators	215	7.47
Janitors And Cleaners	200	6.94
All Other Clerical And Administrative Support Workers	180	6.25
Gardners And Groundskeepers, Except Farm	155	5.38
All Other Managers And Administrators	125	4.34
All Other Sales Representatives, Service	125	4.34
Administrative Service Managers	110	3.82
Guards And Watch Guards	110	3.82
Receptionists And Information Clerks	105	3.65



**Table C:  
Metro South/West  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
Service Industries	o All Other Finance, Insurance And Real Estate	2110	100.00
	All Other Clerical And Administrative Support Workers	230	10.90
	Secretaries, Stenographers And Typists	220	10.43
	General Managers And Top Executives	185	8.77
	Property And Real Estate Managers And Administrators	100	4.74
	Gardners And Groundskeepers, Except Farm	100	4.74
	Financial Managers	95	4.50
	All Other Managers And Administrators	90	4.27
	Sales Agents, Securities, Commodities And Financial Services	90	4.27
	Brokers And Sales Agents, Real Estate	85	4.03
	All Other Sales Representatives, Service	85	4.03
	Accountants, Auditors And Other Financial Specialists	80	3.79
	All Other Professional, Paraprofessional And Technicians	80	3.79
	Insurance Claims Clerks	80	3.79
	o Hotels, Motels And Tourist Courts	4350	100.00
	Janitors And Cleaners, Including Housekeepers And Maids	1040	23.91
	Hotel Desk Clerks	445	10.23
	Waiters And Waitresses	410	9.43
	All Other Food Service Workers	300	6.90
	Food Preparation Workers	270	6.21
	Secretaries, Stenographers And Typists	255	5.86
	Cooks, Restaurant	235	5.40
	Bartenders	210	4.83
	Recreation Workers	190	4.37
	Maintenance Repairers, General Utility	180	4.14
	Bookkeeping, Accounting, Auditing Clerks	120	2.76
	General Managers And Top Executives	105	2.41
	All Other Service Workers	100	2.30
	o Laundry, Cleaning And Garment Services	1245	100.00
	Machine Feeders And Offbearers	225	18.07
	Laundry And Drycleaning Machine Operators	180	14.46
	Driver/sales Workers	155	12.45
	All Other Helpers, Laborers, Movers - Hand	155	12.45
	Clerical And Administrative Support Occupations	135	10.84
	Managerial And Administrative Occupations	90	7.23
	Precision Textile, Apparel And Furnishings Workers	90	7.23
	o Mailing, Reproduction, Commrci Art, Photography, Steno Svcs	1155	100.00
	All Other Clerical And Administrative Support Workers	280	24.24
	Electronic Data Processing, Other Office Machine Occupations	120	10.39
	General Managers And Top Executives	100	8.66
	All Other Machine Operators	100	8.66
	o Services To Dwellings And Other Buildings	4370	100.00
	Janitors And Cleaners	2935	67.16
	Janitors And Cleaners, Including Housekeepers And Maids	700	16.02
	Maintenance Repairers, General Utility	190	4.35
	General Managers And Top Executives	165	3.78
	First Line Supervisors - Service	115	2.63
	Secretaries, Stenographers And Typists	100	2.29

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
o Computer And Data Processing Services	12805	100.00
Electrical And Electronic Engineers	5985	46.74
Engineering, Mathematical And Natural Science Managers	1240	9.69
Electrical, Electronic Engineering Technicians, Technologists	825	6.44
Hand Working Occupations, Including Assemblers, Fabricators	670	5.23
Computer Operators, Except Peripheral Equipment	620	4.84
Writers And Editors, Including Technical Writers	465	3.64
General Office Clerk	415	3.24
Sales Reps, Scientific And Related Products And Services	310	2.42
Secretaries, Stenographers And Typists	260	2.03
First Line Supervisors And Manager/supervisors - Sales And Re	155	1.21
o Miscellaneous Business Services	13455	100.00
Guards And Watch Guards	4000	29.73
All Other Engineers	690	5.13
All Other Physical Scientists	625	4.65
Secretaries, Stenographers And Typists	580	4.31
General Managers And Top Executives	490	3.64
First Line Supervisors - Clerical And Administrative Clerks	450	3.34
Counter And Rental Clerks	365	2.71
All Other Managers And Administrators	355	2.64
All Other Management Support Workers	325	2.41
Financial Managers	305	2.27
Bill And Account Collectors	285	2.12
All Other Clerical And Administrative Support Workers	270	2.01
Computer Programmers	265	1.97
All Other Sales And Related Workers	260	1.93
Electronic Data Processing, Other Office Machine Occupations	240	1.78
Engineering, Mathematical And Natural Science Managers	220	1.63
Chemists, Except Biochemists	205	1.52
Bookkeeping, Accounting, Auditing Clerks	205	1.52
Sales Agents, Advertising	200	1.49
Interior Designers	190	1.41
Photographic Process Machine Operators	175	1.30
General Office Clerk	150	1.11
Maintenance Repairers, General Utility	145	1.08
Marketing, Advertising And Related Managers	140	1.04
o All Other Business Services	1365	100.00
All Other Clerical And Administrative Support Workers	195	14.29
Marketing, Advertising And Related Managers	190	13.92
All Other Managers And Administrators	160	11.72
Bill And Account Collectors	120	8.79
All Other Professional, Paraprofessional And Technicians	100	7.33
o Automotive Repair Shops	1630	100.00
Automotive Body And Related Repairers	615	37.73
Automotive Mechanics	175	10.74
Machinists	160	9.81
All Other Clerical And Administrative Support Workers	95	5.83
Secretaries, Stenographers And Typists	80	4.91
General Managers And Top Executives	65	3.99
Service Station Attendants	65	3.99

**Table C:  
Metro South/West  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
o Office Of Physicians	4565	100.00
Radiologic Technicians	1210	26.51
Medical Secretaries	610	13.36
Physicians And Surgeons	520	11.39
Registered Nurses	475	10.41
Receptionists And Information Clerks	230	5.04
File Clerks	200	4.38
First Line Supervisors - Clerical And Administrative Clerks	180	3.94
Billing, Cost And Rate Clerks	180	3.94
Licensed Practical Nurses	170	3.72
Billing, Posting And Calculating Machine Operators	160	3.51
Recreation Workers	150	3.29
Medical Assistants	130	2.85
All Other Clerical And Administrative Support Workers	105	2.30
All Other Professional, Paraprofessional And Technicians	95	2.08
o Office Of Dentists	2460	100.00
Dental Assistants	690	28.05
Dentists	615	25.00
Dental Hygienists	360	14.63
Medical Secretaries	330	13.42
Receptionists And Information Clerks	155	6.30
Financial Managers	100	4.06
General Managers And Top Executives	100	4.06
o Nursing And Personal Care Facilities	6460	100.00
Nurse Aides, Orderlies And Attendants	2505	38.78
Licensed Practical Nurses	605	9.36
Food Preparation Workers	555	8.59
Registered Nurses	470	7.28
Janitors And Cleaners, Including Housekeepers And Maids	355	5.49
Janitors And Cleaners	215	3.33
Laundry And Drycleaning Machine Operators	210	3.25
Cooks, Institution Or Cafe	190	2.94
All Other Clerical And Administrative Support Workers	175	2.71
All Other Managers And Administrators	120	1.86
Waiters And Waitresses	120	1.86
o Hospitals	13470	100.00
Registered Nurses	2980	22.12
Nurse Aides, Orderlies And Attendants	840	6.24
Psychiatric Aides	760	5.64
All Other Health Professionals And Others	610	4.53
Licensed Practical Nurses	545	4.05
Janitors And Cleaners, Including Housekeepers And Maids	450	3.34
Secretaries	420	3.12
Medical And Clinical Laboratory Technologists And Technicians	400	2.97
General Office Clerk	395	2.93
Physicians And Surgeons	390	2.90
Social Workers, Medical And Non-medical	345	2.56
All Other Clerical And Administrative Support Workers	290	2.15
All Other Managers And Administrators	285	2.12
All Other Health Serviciers	245	1.82
All Other Food Service Workers	205	1.52
Waiters And Waitresses	200	1.48
First Line Supervisors - Clerical And Administrative Clerks	195	1.45
Radiologic Technicians	190	1.41

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
All Other Professional, Paraprofessional And Technicians	190	1.41
Janitors And Cleaners	185	1.37
Medical And Health Service Managers	180	1.34
Food Preparation Workers	175	1.30
Switchboard Operator	165	1.22
Psychologists	160	1.19
Management Support Occupations	150	1.11
Construction Trades, Extractive Occupations, Exc Mat Moving	150	1.11
Billing, Cost And Rate Clerks	145	1.08
o Medical And Dental Laboratories	1040	100.00
All Other Clerical And Administrative Support Workers	205	19.71
Medical And Clinical Laboratory Technologists And Technicians	195	18.75
All Other Managers And Administrators	95	9.14
All Other Professional, Paraprofessional And Technicians	80	7.69
Medical Assistants	80	7.69
All Other Health Professionals And Others	70	6.73
Financial Managers	55	5.29
Billing, Cost And Rate Clerks	55	5.29
All Other Health Servicers	55	5.29
Life Scientists	50	4.81
o Legal Services	1560	100.00
Legal Secretaries	480	30.77
Lawyers	390	25.00
Paralegal Personnel	220	14.10
All Other Clerical And Administrative Support Workers	105	6.73
o Elementary And Secondary Schools	24975	100.00
Teachers, Secondary School	4725	18.92
Teachers, Elementary	3620	14.50
All Other Health Professionals And Others	1495	5.99
Janitors And Cleaners	1285	5.15
Teachers, Special Education	1210	4.85
Teacher Aides, Paraprofessional	1200	4.81
Nurse Aides, Orderlies And Attendants	1095	4.39
Education Administrators	870	3.48
Secretaries, Stenographers And Typists	810	3.24
Food Preparation Workers	515	2.06
College And University Faculty	490	1.96
All Other Food Service Workers	435	1.74
Vocational And Educational Counselors	360	1.44
Registered Nurses	360	1.44
All Other Teachers And Related Workers	345	1.39
Teachers, Preschool And Kindergarden	335	1.34
Instructors And Coaches, Sports	335	1.34
Cooks, Institution Or Cafe	305	1.22
All Other Professional, Paraprofessional And Technicians	300	1.20
Teacher Aides And Education Assistants	265	1.06
Social Workers, Medical And Non-medical	260	1.04
Maintenance Repairers, General Utility	260	1.04
o Colleges, Universities, Professionl Schools, Junior Colleges	8505	100.00
College And University Faculty	3240	38.10
Secretaries, Stenographers And Typists	690	8.11
Janitors And Cleaners	475	5.59
All Other Food Service Workers	330	3.88
Education Administrators	315	3.70



**Table C:  
Metro South/West  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
All Other Professional, Paraprofessional And Technicians	295	3.47
All Other Clerical And Administrative Support Workers	295	3.47
All Other Managers And Administrators	290	3.41
General Office Clerk	275	3.23
Technical Assistants, Library	185	2.18
Financial Managers	180	2.12
Guards And Watch Guards	155	1.82
Plant And Systems Occupations	150	1.76
Health Practitioners, Technologists, Technicians And Related	135	1.59
Gardners And Groundskeepers, Except Farm	135	1.59
All Other Service Workers	120	1.41
Librarians, Professional	115	1.35
Management Support Occupations	110	1.29
o Libraries And Information Centers	1060	100.00
Librarians, Professional	405	38.21
Library Assistants And Bookmobile Drivers	280	26.42
Technical Assistants, Library	205	19.34
All Other Clerical And Administrative Support Workers	65	6.13
o Individual And Family Social Services	3245	100.00
Social Workers, Medical And Non-medical	950	29.28
Social Welfare Service Aides	370	11.40
Secretaries, Stenographers And Typists	205	6.32
First Line Supervisors - Service	205	6.32
Typists And Word Processors	200	6.16
Home Health Aides	180	5.55
General Managers And Top Executives	170	5.24
Bookkeeping, Accounting, Auditing Clerks	130	4.01
All Other Managers And Administrators	100	3.08
o Child Day Care Services	1995	100.00
Teachers, Preschool And Kindergarten	615	30.83
All Other Teachers And Related Workers	345	17.29
Teacher Aides And Education Assistants	245	12.28
All Other Clerical And Administrative Support Workers	115	5.77
Teachers, Elementary	100	5.01
Education Administrators	90	4.51
All Other Managers And Administrators	90	4.51
All Other Professional, Paraprofessional And Technicians	90	4.51
Cleaning, Building Service Occupations, Exc Private Househlds	75	3.76
Social Workers, Medical And Non-medical	60	3.01
Cooks, Institution Or Cafe	55	2.76
Billing, Cost And Rate Clerks	50	2.51
o Residential Care	1615	100.00
Nurse Aides, Orderlies And Attendants	265	16.41
Social Workers, Medical And Non-medical	190	11.76
Child Care Workers	170	10.53
Social Welfare Service Aides	160	9.91
Social Service Technicians	140	8.67
Clerical And Administrative Support Occupations	120	7.43
Managerial And Administrative Occupations	115	7.12

**Table C:  
Metro South/West  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
	o Engineering, Architectural And Surveying Services	7695	100.00
	All Other Engineering Technicians And Technologists	1325	17.22
	Civil Engineers, Including Traffic Engineers	1295	16.83
	Drafters	695	9.03
	Architects, Except Landscape And Marine	415	5.39
	Secretaries, Stenographers And Typists	400	5.20
	All Other Managers And Administrators	365	4.74
	Industrial And Safety Engineers	325	4.22
	Interior Designers	280	3.64
	General Managers And Top Executives	250	3.25
	Physical Scientists	225	2.92
	Typists And Word Processors	195	2.53
	All Other Clerical And Administrative Support Workers	190	2.47
	Engineering, Mathematical And Natural Science Managers	180	2.34
	All Other Professional, Paraprofessional And Technicians	155	2.01
	All Other Management Support Workers	140	1.82
	Plant And Systems Occupations	140	1.82
	Chemical Engineers	125	1.62
	Construction And Building Inspectors	115	1.49
	Civil Engineering Technicians And Technologists	110	1.43
	o Noncommercial Educational, Scientific, Research Organizatns	2060	100.00
	Health Practitioners, Technologists, Technicians And Related	315	15.29
	Medical Scientists	295	14.32
	Secretaries, Stenographers And Typists	200	9.71
	All Other Clerical And Administrative Support Workers	165	8.01
	General Managers And Top Executives	150	7.28
	Receptionists And Information Clerks	140	6.80
	All Other Managers And Administrators	95	4.61
	All Other Physical And Life Science Technicians, Technologist	95	4.61
	o Accounting, Auditing And Bookkeeping Services	2365	100.00
	Accountants And Auditors	1255	53.07
	All Other Clerical And Administrative Support Workers	280	11.84
	General Managers And Top Executives	235	9.94
	All Other Financial Specialists	230	9.73
	Secretaries, Stenographers And Typists	185	7.82
<b>Government</b>	o State Government, Except Education And Hospitals	2880	100.00
	Helpers, Laborers And Related	980	34.03
	Cashiers	335	11.63
	Computer Operators, Except Peripheral Equipment	300	10.42
	All Other Transportation Workers	180	6.25
	All Other Service Workers	170	5.90
	Hand Working Occupations, Including Assemblers, Fabricators	170	5.90
	Maintenance Repairers, General Utility	150	5.21
	o Local Government, Except Education And Hospitals	10485	100.00
	Maintenance Repairers, General Utility	1045	9.97
	Administrative Service Managers	985	9.39
	Fire Fighters	785	7.49
	Police Detectives And Investigators	735	7.01
	Helpers, Laborers And Related	620	5.91
	General Office Clerk	530	5.06
	Highway Maintenance Workers	450	4.29

**Table C:**  
**Metro South/West**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
Secretaries, Stenographers And Typists	445	4.24
Pub Admin Chief Executives, Legislators, General Administrators	415	3.96
Assessors	370	3.53
Bookkeeping, Accounting, Auditing Clerks	305	2.91
Financial Managers	225	2.15
Construction And Building Inspectors	205	1.95
Water And Liquid Waste Treatment Plant And System Operators	200	1.91
Painters, Paperhangers, Construction And Maintenance	180	1.72
Cleaning, Building Service Occupations, Excl Private Households	170	1.62
Fire Fighting And Prevention Supervisors	165	1.57
Librarians, Professional	135	1.29
Technical Assistants, Library	135	1.29
All Other Professional, Paraprofessional And Technicians	130	1.24
Municipal Clerks	130	1.24
Library Assistants And Bookmobile Drivers	120	1.14

# Notes About the Data

Employment surveys frequently differ in concept and definition and thus make understanding and interpreting the data more difficult. Therefore, it is important to know how data are obtained in order to know how best to use them. The industry and occupational employment data presented in these SDA reports count jobs and are collected from surveys of Massachusetts establishments. Individuals who hold more than one job are counted at each place they work. This section presents more detail explanations of the data published in the tables.

## Industry Employment Data

Industry employment data presented in Tables 2, 3, and C, and the top ten industries in Section II are derived from the Employment and Wage Program. Industries covered in this program are defined in terms of the Standard Industrial Classification (SIC) system. The SIC separates establishments' economic activities into broad sectors (manufacturing, construction, retail trade, services, etc.). Each sector is further divided into major groups (2 digit SIC), then into industry groups (3 digit SIC) and finally into industries (4 digit SIC). Revisions to the SIC are made periodically to reflect the economy's changing industrial structure. In 1987, the SIC was revised, taking into account technological changes; institutional changes

such as deregulation in the banking, communications, and transportation industries; and the tremendous expansion in the service sector that occurred since 1972.

Some of the industry employment tables presented in these SDA reports are based on the old 1972 SIC, while others are based on the 1987 SIC revision. Industry employment data in Table 3 and the top ten industries are based on 1989 data and the 1987 SIC revision. Data from 1984 to 1989, showing the average annual employment change, net change and percent change in Table 2 are based on both the 1972 SIC and 1977 supplement, and the 1987 SIC revision. Data from 1984-1987 and 1988-1989 are based on different SICs and therefore, are not strictly comparable. However, since there were no changes to the SIC at the sector level, these measures of the SDA's industry employment change present no significant comparability problems.

Table C, presenting detailed industry employment by occupation, is derived from the Occupational Employment Statistics Survey. Industry employment is based on 1987 data and the 1972 SIC and the 1977 supplement. Staffing patterns presented in Table C are published for approximately 25 industries with a thousand or more workers.

Industry staffing patterns are presented for 2 and 3 digit industries, and major groupings of industries such as durable and nondurable goods industries. Industry staffing patterns that could violate employer confidentiality are collapsed into residual industries within the sector. As a result not all residual industries are strictly comparable across all SDAs.

## Occupational Employment Data

Occupational employment estimates presented in these SDA reports are derived from data collected by the Occupational Employment Statistic (OES) program. OES data are obtained from surveys of employment by occupation for over 300 industries. Employers include both part-time and full-time workers for the payroll periods on the 12th of April, May, and June.

The classification systems used in this survey were the Standard Occupational Classification (SOC) system and the 1972 SIC. The SOC was used to develop the definitions of the occupations included and the 1972 SIC was used to define the industries.

Occupational data in these SDA reports are not strictly comparable to those published in the Current Population Survey (CPS), a monthly survey of approximately 59,500 individuals conducted by the U.S. Bureau of the Census. Primarily because of the two surveys' differences in concepts and classification systems (for example, the CPS counts individuals whereas the OES survey is a count of jobs, therefore, individuals who hold more than one job are counted differently in the two surveys,) employment comparisons should not be made between the two.

Comparisons can be made for large occupations among the SDAs and between individual SDAs and the state. In general, however, it is important to remember that the occupational estimates published in this report are intended to be used as a guide to local job markets, and should not be viewed as precise estimates.



Map of Massachusetts showing 15 numbered regions for a telephone directory. The regions are: 1. Berkshire County, 2. Franklin-Hampshire, 3. Hampden County, 4. Northern Worcester, 5. Southern Worcester, 6. Northern Middlesex, 7. Essex, 8. Southern Essex, 9. Salem, 10. Boston, 11. South West, 12. Middlesex, 13. Franklin County, 14. Bristol, 15. Plymouth, Cape Cod & the Islands.

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